
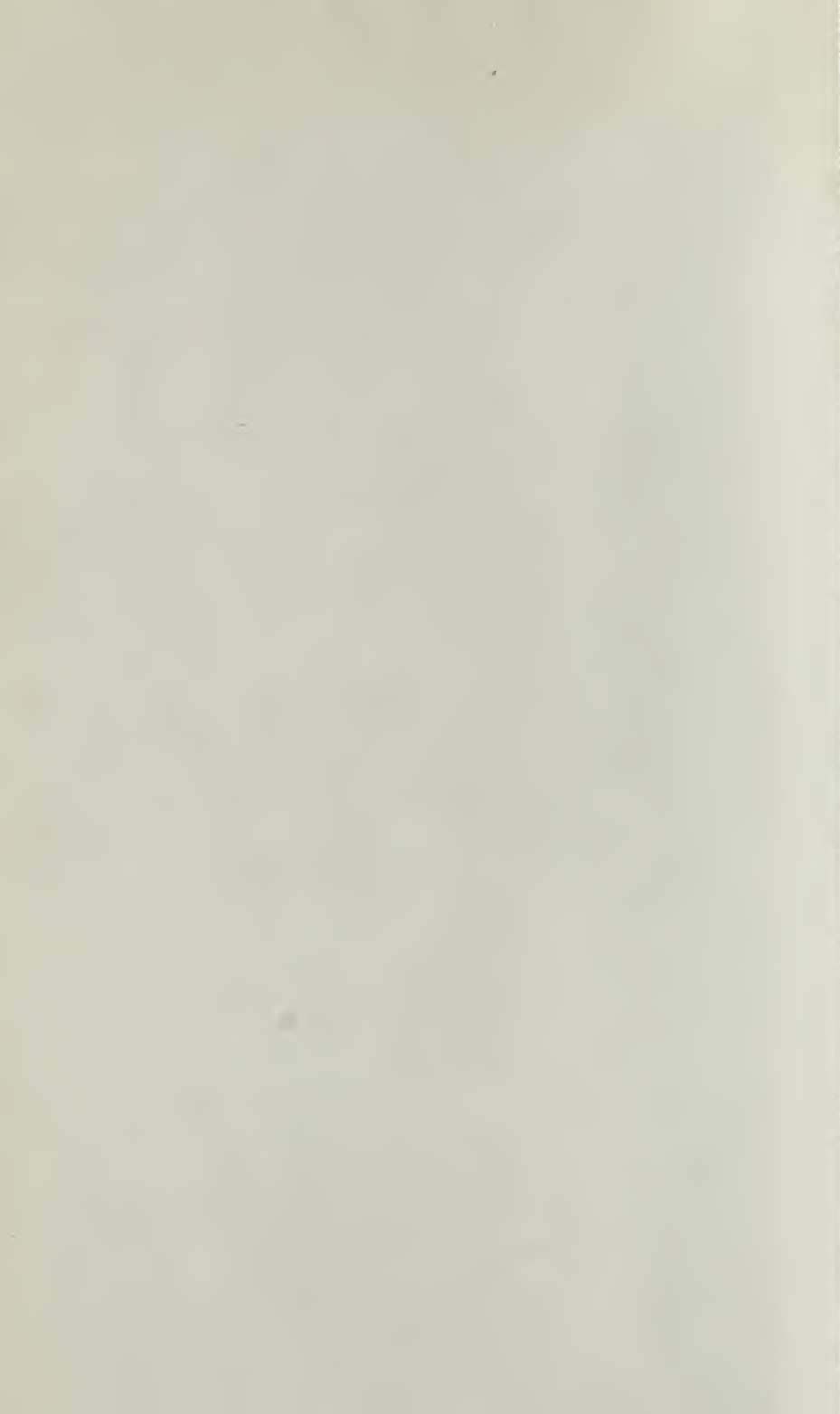


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SIXTY-NINTH

ANNUAL CATALOGUE

—OF THE—

OFFICERS AND STUDENTS

—OF—

MADISON UNIVERSITY,

—AT—

HAMILTON, N. Y.

—WITH THE—

COURSES OF INSTRUCTION

—FOR—

1888-9.

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L. C. CHILDS & SON, PRINTERS & BOOK BINDERS,  
UTICA, N. Y.

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1888/89

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# CALENDAR.

1888.

Sept. 13.	Fall Term commenced.....	<i>Thursday.</i>
Dec. 18-20.	Term-Examinations...	<i>Tuesday, Wednesday, Thursday.</i>
Dec. 20.	Fall Term closes.....	<i>Thursday.</i>

## CHRISTMAS VACATION.

1889.

Jan. 4.	Winter Term commences.....	<i>Friday.</i>
Jan. 5.	Special Examination.....	<i>Saturday.</i>
Jan. 9.	Clarke Orations presented.....	<i>Wednesday Noon.</i>
Jan. 31.	Day of Prayer for Colleges .....	<i>Thursday.</i>
Feb. 22.	Holiday (Washington's Birthday).....	<i>Friday.</i>
Mar. 22.	Clarke Prize Exhibition.....	<i>Friday Evening.</i>
Mar. 25-27.	Term-Examinations....	<i>Monday, Tuesday, Wednesday.</i>
Mar. 27.	Winter Term closes.....	<i>Wednesday.</i>

## VACATION OF ONE WEEK.

Apr. 4.	Spring Term commences.....	<i>Thursday.</i>
Apr. 6.	Special Examination.....	<i>Saturday.</i>
Apr. 10.	Lasher and Allen Prize Essays pre- sented.....	<i>Wednesday Noon.</i>
Apr. 17.	Bushnell Historical Prize Essays presented.....	<i>Wednesday Noon.</i>
May 23.	Commencement Orations presented..	<i>Thursday Noon.</i>
May 30.	Holiday (Decoration Day).....	<i>Thursday.</i>
June 1.	Baldwin Greek Prize Examination.....	<i>Saturday.</i>
June 5.	Lawrence Chemical Prize Examin- ation.....	<i>Wednesday Afternoon.</i>
June 7.	Sophomore Latin Prize Examin- ation.....	<i>Friday Afternoon.</i>

June 8.	Osborn Mathematical Prize Examination .....	<i>Saturday.</i>
June 11-12.	Examinations of the Senior Class,	<i>Tuesday, Wednesday.</i>
June 12-14.	Term-Examinations....	<i>Wednesday, Thursday, Friday.</i>
June 17-18.	First Entrance-Examinations.....	<i>Monday, Tuesday.</i>
June 17.	Kingsford Prize Declamation.....	<i>Monday Afternoon.</i>
June 18.	Anniversary of Colgate Academy..	<i>Tuesday Morning.</i>
June 18.	Class of 1884 Prize Debate.....	<i>Tuesday Afternoon.</i>
June 18.	Meeting of University and Education Boards.....	<i>Tuesday.</i>
June 18.	Meeting of Education Society.....	<i>Tuesday Evening.</i>
June 19.	Anniversary of the Seminary.....	<i>Wednesday.</i>
June 19.	Meeting of the Alumni Association,	<i>Wednesday Evening.</i>
June 20.	Sixty-ninth COMMENCEMENT of Madison University.....	<i>Thursday.</i>

#### VACATION OF TWELVE WEEKS.

Sept. 10-12.	Second Entrance-Examinations,	<i>Tuesday, Wednesday, Thursday.</i>
Sept. 12.	Fall Term commences .....	<i>Thursday.</i>
Sept. 14.	Special Examination.....	<i>Saturday.</i>
Oct. 4.	College Field-Day.....	<i>Friday.</i>
Oct. 11.	Montgomery Prize Exhibition.....	<i>Friday Evening.</i>
Nov. 5.	Holiday (Election Day).....	<i>Tuesday.</i>
	Thanksgiving Recess.....	<i>Thursday, Friday, Saturday.</i>
Dec. 18-20.	Term-Examinations....	<i>Wednesday, Thursday, Friday.</i>
Dec. 20.	Fall Term closes.	

#### CHRISTMAS VACATION.

## CORPORATION.

JAMES B. COLGATE, *President*, New York.

ALVAH PIERCE, Hamilton.

DAVID A. MUNRO, Camillus.

HON. ALBERT R. FOX, Sand Lake.

SAMUEL COLGATE, New York.

\*REV. WALTER R. BROOKS, D. D., Hamilton.

PROF. P. B. SPEAR, D. D., Hamilton.

REV. EDWARD LATHROP, D. D., New York.

HOSMER H. KEITH, Esq., Sioux Falls, Dak.

PROF. ALBERT S. BICKMORE, Ph. D., New York.

JOHN C. HOYT, Esq., Utica.

LEONARD W. CRONKHITE, Sandy Hill.

REV. HENRY M. SANDERS, A. M., New York.

EDWARD AUSTEN, Glencoe, Md.

ISAAC JOHNSON, Yonkers.

RUSSEL WHEELER, Utica.

THOMSON KINGSFORD, Oswego.

ISAAC E. GATES, A. M., Orange, N. J.

REV. W. N. CLARKE, D. D., *Secretary*, Hamilton.

LEWIS E. GURLEY, Troy.

FRANCIS T. PIERCE, Hamilton.

DANIEL W. SKINNER, A. M., Hamilton.

GEORGE A. WOLVERTON, Albany.

JOHN THORN, Utica.

JAMES C. COLGATE, A. M., New York.

PROF. JAMES W. FORD, Ph. D., *Treasurer*, Hamilton.

---

\*Deceased, Feb. 21st, 1888.

## FACULTY.

---

EBENEZER DODGE, D. D., LL. D.,  
PRESIDENT AND PROFESSOR OF PHILOSOPHY.

PHILETUS B. SPEAR, D. D.,  
PROFESSOR-EMERITUS OF HEBREW AND LATIN.

ALEXANDER M. BEEBEE, D. D.,  
PROFESSOR OF LOGIC.

LUCIEN M. OSBORN, LL. D.,  
PROFESSOR OF THE PHYSICAL SCIENCES.

N. LLOYD ANDREWS, PH. D., LL. D.,  
PROFESSOR OF THE GREEK LANGUAGE AND LITERATURE,  
AND DEAN OF THE FACULTY.

JAMES M. TAYLOR, A. M.,  
PROFESSOR OF MATHEMATICS.

WILLIAM HALE MAYNARD, D. D.,  
PROFESSOR OF POLITICAL ECONOMY, AND BLEECKER PROFESSOR  
OF MORAL PHILOSOPHY.

SYLVESTER BURNHAM, D. D.,  
PROFESSOR OF BIBLICAL LITERATURE.

ALBERT G. HARKNESS, A. M.,  
PROFESSOR OF LATIN AND THE MODERN LANGUAGES.

JOSEPH F. MCGREGORY, A. M.,  
PROFESSOR OF CHEMISTRY AND MINERALOGY.

BENJAMIN S. TERRY, A. M.,  
PROFESSOR OF CIVIL HISTORY AND ENGLISH.

WILLIAM C. EATON, PH. D.,  
\* PASSED ASSISTANT ENGINEER, U. S. N.,  
PROFESSOR OF ENGINEERING.

AARON H. COLE, A. M.,  
LECTURER ON NATURAL HISTORY.

WILLIAM H. CRAWSHAW, A. B.,  
INSTRUCTOR IN ENGLISH AND ELOCUTION.

S. BURNHAM, D. D.,  
LIBRARIAN.

\* Detailed by the Secretary of the Navy.

## STUDENTS.

## SENIORS.

*Candidates for the Degree of A. B.*

BENNETT, FRANK HENRY,	<i>Danbury, Ct.,</i>	16 E. C.
BRUCE, ROBERT,	<i>Ottawa, Kan.,</i>	14 W. C.
CULL, GEORGE THOMAS,	<i>Greenwich,</i>	Dr. Loyd's.
GUERNSEY, PETER BUELL,	<i>Elmira,</i>	Mr. Pearl's.
HUNGATE, FRANCIS MERION,	<i>McPherson Centre, Kan.,</i>	24 W. C.
KNAPP, ALVAH EDWARD,	<i>Marblehead, Mass.,</i>	Mrs. Hopkins's.
LANGWORTHY, ORTHELLO SIDNEY,	<i>West Edmeston,</i>	J. F. House.
McKEAN, HORACE GRANT,	<i>Philadelphia, Pa.,</i>	Mr. A. Swift's.
MERRIFIELD, IRVING NEWTON,	<i>Burlington, Kan.,</i>	31 W. C.
MEYER, GEORGE HENRY,	<i>Hamilton,</i>	Mr. J. N. Meyer's.
RETAN, FRED SMITH,	<i>Owasso, Mich.,</i>	Mr. G. D. Richardson's.
SHOLAR, WILLIAM JESSUP,	<i>Raleigh, N. C.,</i>	22 W. C.
SMITH, GEORGE KERR,	<i>Newburgh,</i>	Mr. G. D. Richardson's.
STANTON, WILLIAM ARTHUR,	<i>San Mateo, Fla.,</i>	Mr. Edward Welton's.
VAN KIRK, EDWARD MARSHALL,	<i>Greenwich,</i>	13 W. C.
WATERS, JOHN SHERREAF,	<i>Lewistown, Pa.,</i>	36 W. C.
WILLIAMS, DWIGHT BREWSTER,	<i>Wayne,</i>	College Street.
WISHART, ALFRED WESLEY,	<i>Hamilton,</i>	Mrs. E. S. Wishart's.

*Not Candidate for a Degree.*

WHALEN, WILLIAM HENRY,	<i>Hamilton,</i>	Mr. John Whalen's.
SENIORS, - - - - -		19

## JUNIORS.

*Candidates for the Degree of A. B.*

BACON, EMERY ARTHUR,	<i>Leyden,</i>	1 W. C.
BROOKINS, JOHN COLBY,	<i>Norwich,</i>	11 W. C.
BUTLER, FRANK ARTHUR,	<i>Hamilton,</i>	Mr. J. P. Butler's.
CHAFFEE, FERRIS ELMER,	<i>Athens, Pa.,</i>	39 E. C.
ELLERY, EDWARD,	<i>Albany,</i>	36 W. C.
EYLES, WILLIAM JOSEPH,	<i>St. Paul, Minn.,</i>	22 E. C.
FARGO, WILLIAM FORDYCE,	<i>Dell Rapids, Dak.,</i>	5 W. C.
FORD, WILLIAM,	<i>Camden,</i>	J. P. House.
GULLER, HENRY JOHN,	<i>North Gage,</i>	28 W. C.
GURNSEY, ROWLAND TAYLOR,	<i>Woodhull,</i>	32 W. C.
HIBBARD, GEORGE LEONARD,	<i>Southbridge, Mass.,</i>	29 E. C.
HYLAND, HENRY PATRICK,	<i>Poolville,</i>	Mrs. A. M. Ingalls's.
JOHNSON, GEORGE FRANK,	<i>Norwich,</i>	32 W. C.
KNAPP, ELMER ELIAS,	<i>Hamilton,</i>	Mr. L. W. Knapp's.
LATTIMER, WALTER SCOTT,	<i>North Norwich,</i>	45 E. C.
MACMURRAY, DAVID ADAMS,	<i>Hamilton,</i>	Mr. W. J. MacMurray's.
MALLORY, HERVEY FOSTER,	<i>Aurora, Ill.,</i>	21 W. C.
MANGUSE, WILLIAM,	<i>Central Square,</i>	5 E. C.
MERRILL, HOWLAND CYRUS,	<i>Johnstown,</i>	21 W. C.
MOORE, ISAAC DAVIS,	<i>Millville, N. J.,</i>	17 W. C.
ROBERTS, JOHN WILLIAM,	<i>Marcy,</i>	J. P. House.
SPENCER, CHARLES EDWIN,	<i>Euclid,</i>	17 W. C.
SQUIRES, CLARENCE NELSON,	<i>Hamilton,</i>	Mr. W. H. Squires's.
ST. JOHN, WALTER DEMING,	<i>Albany,</i>	9 W. C.
THOMPSON, KIRK WILLIAM,	<i>Brookfield,</i>	19 E. C.
WEATHERLY, ULYSSES GRANT,	<i>Owatonna, Minn.,</i>	24 W. C.
WOODBURY, GEORGE FOSTER,	<i>North Winfield,</i>	34 E. C.

*Candidates for the Degree of B. S.*

DILLINGHAM, CHARLES,	Ogdensburg,	38 E. C.
ELDRIDGE, BURROUGHS,	Woodbury, N. J.,	12 W. C.
IVES, HARVEY MILLER,	Meriden, Conn.,	Mr. Gaskell's,
WHEAT, CHARLES ALBERT,	Racine, Wis.,	A. Y. House.

*Not Candidate for a Degree.*

LYONS, PATRICK JOHN,	Hamilton,	Mrs. J. Lyons's.
JUNIORS,	- - - - -	31.



## SOPHOMORES.

*Candidates for the Degree of A. B.*

ADAMS, GEORGE DURWARD,	<i>Randallville,</i>	16 W. C.
ALLEN, ARTHUR MOSELY,	<i>Hamilton,</i>	Mr. M. D. Allen's.
ALLEN, AUGUSTUS NICHOLS,	<i>Gilbertsville,</i>	Mrs. A. B. Campbell's.
BENNETT, WILLIAM MARVIN,	<i>Bainbridge,</i>	1 W. C.
BROWN, HUBERT MORGAN,	<i>Brookfield,</i>	J. P. House.
BURCHARD, HERBERT MORSE,	<i>Hamilton,</i>	Mr. S. Burchard's.
CASE, CARL DELOS,	<i>Hutchinson, Minn.,</i>	34 W. C.
COOPER, EDWARD,	<i>Troy,</i>	6 W. C.
DIVINE, FRANK HENRY,	<i>Binghamton,</i>	Montgomery Street.
EKELEY, JOHN BERNARD,	<i>Wahoo, Neb.,</i>	23 W. C.
HARMON, ERWIN CHARLES,	<i>Edwards,</i>	4 W. C.
HARTNESS, ADONI JUDSON,	<i>North Gage,</i>	1 W. C.
HIGGINS, JAMES JEROLAMAN,	<i>Flemington, N. J.,</i>	40 E. C.
HOLDRIDGE, NEWTON CLARK,	<i>Elm, N. J.,</i>	12 W. C.
JOHNSON, GOVE GRIFFITH,	<i>Burlington, Ia.,</i>	25 E. C.
KNIGHT, ARCHIBALD SMITH,	<i>Mexico,</i>	22 W. C.
KNIGHTS, GEORGE DICKER,	<i>Russia,</i>	Dr. A. Tompkins's.
LOCKHART, ALBERT EDWIN,	<i>Newark,</i>	Mr. A. Swift's.
POTTER, FRANK HAZEN,	<i>Carthage,</i>	Mrs. D. M. Kinmonth's.
RACE, ERNEST ETHAN,	<i>Greene,</i>	J. P. House.
SMITH, ELMER WILLIAM,	<i>Gouverneur,</i>	4 W. C.
SUTPHIN, ARCHIBALD HEYER,	<i>Holmdel, N. J.,</i>	16 W. C.
WHALEN, HENRY JOSEPH,	<i>Hamilton,</i>	Bluff Street.
YALE, HOMER FENTON,	<i>Bainbridge,</i>	27 E. C.

*Candidates for the Degree of B. S.*

BRAMAN, CHARLES FLETCHER, JR.,	<i>Mount Morris,</i>	Mrs. A. B. Campbell's.
CLAPP, CHARLES RUSSELL,	<i>Ballston,</i>	Mott Block.
COOK, EDWARD GLENN,	<i>Wilmington, Del.,</i>	Dr. Loyd's.

DOUGLASS, ARTHUR ELIJAH,	<i>Poolville,</i>	College St.
ELLSON, JOHN V.	<i>Brooklyn,</i>	Mr. C. E. Montgomery's.
LAY, WILLIAM ODELL,	<i>Middleburgh,</i>	5 E. C.
OSGOOD, DAVID FRANKLIN,	<i>Verona,</i>	8 E. C.
PERCIVAL, FRANK CARRETON,	<i>Castile,</i>	Prof. Goodenough's.
POTTER, ARTHUR BARLOW,	<i>Alpena, Mich.,</i>	15 E. C.
ROWLANDS, WILLIS LOCKE,	<i>Utica,</i>	Mrs. Wait's.

• *Not Candidate for a Degree.*

CUSICK, MAXWELL HENRY,	<i>Owatonna, Minn.,</i>	11 E. C.
SOPHOMORES, - - - - -		35.

## FRESHMEN.

*Candidates for the Degree of A. B.*

BARNES, JOHN ALBERT,	<i>Troy,</i>	Mr. A. Z. Kingsley's.
BECKWITH, GEORGE SHELDON,	<i>Schenectady,</i>	9 W. C.
BIGGS, LOUIS CARL HUESTIS,	<i>Boston, Mass.,</i>	25 E. C.
CARPENTER, DAN SHELDON,	<i>Westport,</i>	Mr. Davies's.
CASE, EMMET INMAN,	<i>Plainfield, N. J.,</i>	32 E. C.
FLETCHER, FRANCIS WAYLAND,	<i>Plantsville, Conn.,</i>	Mr. Dart's.
GREENE, JOHN THOMAS,	<i>Buffalo,</i>	10 W. C.
GREGG, HUGH GILMORE,	<i>Barnes' Corners,</i>	37 E. C.
HALAPLIAN, JACOB GEORGE,	<i>Aintab, Armenia,</i>	Mr. Henry Tibbitts's.
HOWE, SHERMAN LORENZO,	<i>East Dover, Vt.,</i>	18 E. C.
KING, FRED HOWARD,	<i>Oswego.</i>	Mrs. A. M. Ingalls's.
LEMON, CHARLES AUGUSTUS,	<i>Attica,</i>	25 W. C.
MARENES, BURTON HENRY,	<i>Norwich,</i>	11 W. C.
MINCH, LEWIS WILLARD,	<i>Bridgeton, N. J.,</i>	20 W. C.
NOYES, PIERREPONT BURT,	<i>Community,</i>	J. Y. House.
POTTER, HENRY STERLING,	<i>Carthage,</i>	32 E. C.
RANDALL, JOHN HERMAN,	<i>St. Paul, Minn.,</i>	22 E. C.
SOUTHWORTH, VICTOR EMANUEL,	<i>Walton,</i>	College St
STEBBINS, CHARLES MAURICE,	<i>Oneida,</i>	31 W. C.
STEVENS, ELMER TILSON,	<i>Cochituate, Mass.,</i>	48 E. C.
STOOS, HENRY NICHOLAS,	<i>Faribault, Minn.,</i>	24 E. C.
STURGES, JAMES VERNE,	<i>No. Norwich,</i>	45 E. C.
WAGER, CHARLES HENRY ADAMS,	<i>Cohoes,</i>	Dr. Ford's.

*Candidates for the Degree of B. S.*

BENTON, CHARLES SIMEON,	<i>Sherburne,</i>	
LOVEJOY, CHARLES EDGAR,	<i>Madison,</i>	28 W. C.
MCGREGORY, ALBERT COOK,	<i>Springfield, Mass.,</i>	Park House.
MERRIAM, EDWARD ALLEN,	<i>Clifford,</i>	18 E. C.

---

MURPHY, HOWARD WILLIAM,	<i>Albany,</i>	33 W. C.
TAYLOR, ARTHUR GRANT,	<i>Waverly, Pa.,</i>	26 W. C.

*Not Candidates for a Degree.*

BILLINGS, WILLIAM ADELBERT,	<i>Yonkers,</i>	24 E. C.
BROWER, HARRY MERIOTT,	<i>Gloversville,</i>	Mott Block.
CRAIG, ROBERT,	<i>Harpersfield,</i>	Mr. Patterson's.
DES AUTELS, WILLIAM WALTER,	<i>Detroit, Mich.,</i>	44 E. C.
HOWARD, EDWIN CARLTON,	<i>Wilbraham, Mass.,</i>	Mr. F. S. Bonney's.
LUMBAR, W. T. SHERMAN,	<i>Algona, Iowa,</i>	College Street.
MONTGOMERY, EUGENE DEMING,	<i>Rochester,</i>	Mr. Gaskell's.
WOOD, WILLIAM AUGUSTUS,	<i>Newark, N. J.,</i>	28 W. C.
FRESHMEN, - - - - -		37.

## SUMMARY.

SENIORS,	-	-	-	-	-	-	19
JUNIORS,	-	-	-	-	-	-	31
SOPHOMORES,	-	-	-	-	-	-	35
FRESHMEN,	-	-	-	-	-	-	37
TOTAL,							<hr/> 122

## ABBREVIATIONS.

E. C.,	-	-	-	-	-	EAST COLLEGE.
W. C.,	-	-	-	-	-	WEST COLLEGE.
A. H.,	-	-	-	-	-	ALUMNI HALL.

# ADMISSION.

## GENERAL REQUIREMENTS.

All candidates for admission to any class, or as special students, must bring with them testimonials of attainments and moral character, preferably from their last instructors, and, if from another college, a certificate of regular dismission.

Candidates for the Freshman Class must have completed their fifteenth year, and if for a higher class must have advanced in age correspondingly.

No person is admitted to the University as a candidate for the degree of Bachelor of Arts or Bachelor of Science, after the opening of the second term of Senior year.

## ADMISSION TO THE FRESHMAN CLASS.

I. All candidates for admission to the Freshman Class are examined on the following subjects. It is recommended that the candidate be prepared for examination in the requirements as specified; but equivalents will be accepted:

1. MATHEMATICS: Arithmetic, including the Metric System; Olney's University or Complete School Algebra, through quadratics; all of plane Geometry.

2. ENGLISH: Kellogg's *Rhetoric*, or D. J. Hill's *Elements of Rhetoric*. A short composition, correct in spelling, punctuation, division into paragraphs, grammar and expression, on a theme drawn from several books previously designated. For 1889 the theme will be taken from the following works, and with the substance, the plots, incidents, characters, etc., it is expected that the student will thoroughly familiarize himself: Shakespeare's *Macbeth*; Scott's *Ivanhoe*; Goldsmith's *Vicar of Wakefield*, and Irving's *Sketch Book*. For 1890 the themes will be taken from Shakespeare's *King Henry IV*; Bunyan's *Pilgrim's Progress*; Moore's *Lalla Rookh*; Hawthorne's *Marble Faun*. For 1891: Shakespeare's *Merchant of Venice*; George Eliot's *Mill on the Floss*; Longfellow's *Evangeline*; DeQuincey's *Joan of Arc*.

3. HISTORY: Doyle's *History of the United States*, Freeman's Course, or Johnston's *Outlines of the History of the United States*, Doyle preferred; Freeman's *General Sketch of History*, Freeman's Series. For the General History, so much of Weber's or Fisher's *Outlines of Universal History* as covers the period treated by Freeman; or Smith's *Greece*, Student's Series, Merivale's *Rome*, Student's Series, (sixty-six chapters) and Green's *Shorter History of the English People* will be accepted as equivalents.

II. In addition, those who enter the CLASSICAL COURSE or the GREEK-SCIENTIFIC COURSE, will be examined in Goodwin's, or Hadley-Allen's Greek Grammar; three books of Xenophon's *Anabasis*; three books of Homer's *Iliad*; and in Jones's Exercises in Greek Prose.

III. Those who enter the CLASSICAL COURSE or the LATIN-SCIENTIFIC COURSES will be examined in Caesar's *Commentaries*, Books I-IV. ; six orations of Cicero, including that for the Manilian Law and that for the Poet Archias; six books of Virgil's *Aeneid*; Latin Grammar (Harkness preferred;) and Latin Prose Composition.

Those who enter the ENGLISH-SCIENTIFIC COURSE or the GREEK-SCIENTIFIC COURSE, will be examined in one of the Latin Authors named and in Latin Grammar and Latin Prose Composition.

IV. Those who enter the LATIN-SCIENTIFIC COURSE or the ENGLISH-SCIENTIFIC COURSE will be examined in the Elements of Chemistry, through the non-metals, and the Elements of Natural Philosophy.

#### ADMISSION TO ADVANCED STANDING.

Candidates for admission to any class higher than the Freshman are examined in the previous studies of the class which they wish to enter, or their equivalents. Students coming from another college may, at the discretion of the Faculty, be admitted upon certificate in the studies covered. If, however, they enter after the beginning of the Sophomore year, and desire to compete for Commencement honors, they will be expected to pass examination upon the previous work of the Course.

#### ADMISSION TO SPECIAL COURSE.

In exceptional cases, students not under twenty-one years of age, and not members of any one of the four classes, nor candidates for a degree, are admitted to the privileges of the University and allowed to take special courses, selected under the direction of the Faculty. Such students will be required to pass a preliminary examination sufficient to ascertain their qualifications for the course proposed, and are subject to the same regulations and discipline, and to the same examinations in the studies pursued, as those who are candidates for a degree.

They cannot compete for prizes, and have no part at Commencement. They will rank in the catalogue with the class with which they enter the University. These special courses, however, are not offered to those who are members of one of the regular courses who have failed to maintain standing.

#### ENTRANCE EXAMINATIONS.

1. The first regular Entrance Examination will be held in Hamilton, on Monday and Tuesday, June 17th and 18th, 1889, and the second on Tuesday, Wednesday and Thursday, September 10th, 11th and 12th, 1889, for such as shall not have presented themselves in June, or shall have deficiencies to make up from the first examination.

2. A Regents' Pass Card is accepted for those studies which are covered by it, and a Regents' College Entrance Diploma entitles the holder to full admission.

3. All students who wish to compete for the Dodge Entrance Prize, must present themselves at the September Entrance Examination; and the award will be



made in accordance with the result of those examinations. A previous examination, whether in June, or for a free tuition scholarship, does not exclude a candidate from competition. All candidates are recommended to present themselves at the June examinations, so that they may have an opportunity to cancel any conditions in September. Those who remain conditioned after the September examinations, or receive conditions at that time, may be required by the respective officers to study under an authorized tutor.

For the benefit of students living at a distance who cannot conveniently come to Hamilton to take the June Examinations, arrangements may be made by which examinations shall be held under the direction of a college officer or some other authorized person at some convenient point. Under such circumstances the names must be sent to the Dean of the Faculty not later than May 15th.

### ADMISSION BY CERTIFICATE.

Students who have completed a full course of study similar or equivalent to that required for admission to this University, may, by special arrangement, be admitted on the certificate of the Principal of the school from which they come.

Each certificate must state explicitly the subjects on which the candidate has passed a satisfactory examination, and the Principal must certify to the good character and conduct of the pupil.

The Principals of Academies and other preparatory schools who desire to have their students admitted on certificates are invited to correspond with the Dean of the Faculty.

Regular graduates from the following preparatory schools are admitted without examination upon those studies covered by their Certificate.

Colgate Academy, Hamilton, N. Y.  
Cook Academy, Havana, N. Y.  
Peddie Institute, Hightstown, N. J.  
South Jersey Institute, Bridgeton, N. J.  
Marion Collegiate Institute, Marion, N. Y.  
Hungerford Collegiate Institute, Adams, N. Y.  
Union Academy, Belleville, N. Y.  
Pillsbury Academy, Owatonna, Minn.  
Albany High School, Albany, N. Y.  
Albany Academy, Albany, N. Y.  
Springfield High School, Springfield, Mass.  
Keystone Academy, Factoryville, Pa.  
Keene High School, Keene, N. H.

### COMPETITIVE EXAMINATIONS.

Friends of the University have made provision for a number of competitive scholarships, which insure Free Tuition to successful contestants at Examinations held June 5th, 6th and 7th, at places convenient to the leading sections of the State. Such scholarships are arranged also for the States of New Jersey, Connecticut, Vermont and Massachusetts. Particulars may be obtained by correspondence with the Dean of the Faculty.



## COURSES OF STUDY.

The University provides four courses of study: a Classical Course, a Greek-Scientific Course, a Latin-Scientific Course, and an English-Scientific Course. These several courses each extend through four academic years, and embrace instruction in Philosophy, History and Political Science, Art, Language and Literature, and Natural Science. All who enter these courses, candidates for a degree, are placed upon an equal footing in competing for honors at Commencement, and in competing for prizes, unless specified conditions are made by the founder.

The Classical Course presents a well balanced, symmetrical curriculum, judiciously uniting the old and the new, in Letters, Science and Philosophy.

In offering the different Scientific Courses, one including Greek, another including Latin, and a third omitting the ancient languages, and furnishing additional opportunity for extending the study of English and scientific topics, the University seeks to meet the special needs of the various classes of young men who desire higher education. It is believed that special advantages are offered those who intend to fit themselves for teaching special subjects; also those who for any reason may desire to pursue Greek and not Latin, or Latin and not Greek, or may desire to follow any study beyond the regular limit of any one of these courses. The Scientific Courses especially provide for a thorough and extended course in Chemistry and in higher Mathematics, including Surveying and Civil Engineering. The Chemical and Biological Laboratories offer especial advantages to young men who intend to study medicine after completing a Classical Course.

### ELECTIVE STUDIES.

In order that these courses may be further adapted to the needs of different students, Elective Studies are offered to advanced classes, and confined chiefly to the Junior and Senior years.

In connection with some departments there are also optional courses offered, with voluntary attendance.

In general, the rules governing attendance and examinations in the elective studies are the same as for prescribed studies.

In addition, students are required to register their choice of elective studies with the Dean, on or before the first day of each term, but it is desirable that when possible such choice be reported before the close of the preceding term. No changes will be allowed after the second Friday night of the term, and none before that time, except by special vote of the Faculty.

Each student during the Junior year will be required to choose, in addition to the prescribed studies, not less than ten nor more than twelve hours of elective work per week. During the Senior year the student may elect one hour more a week.

In the Spring Term of the Senior Year, one is required to choose only five hours, in addition to the prescribed work.

### DEGREES.

Students who successfully complete the Classical Course are candidates for the Degree of Bachelor of Arts; and those who complete any one of the Scientific Courses are candidates for the degree of Bachelor of Science.

Graduates of the Classical Course of at least three years standing, and who have spent at least two years in professional or other literary studies, may, upon recommendation of the Faculty, receive the degree of Master of Arts.

Graduates of any of the Scientific Courses, of at least three years standing, and who have spent at least two years in scientific studies, may, upon recommendation of the Faculty, receive the degree of Master of Science.

Students pursuing a select course, not candidates for a degree, may, upon application to the President, receive a certificate stating the courses which they have successfully completed.

No degree, however, can be conferred, or certificate given, unless the applicant shall have sustained a good moral character, settled all college bills, and returned all books to the Library.

The fees for the degrees in course, including diploma, are five dollars each, payable in advance.

## DEPARTMENTS OF INSTRUCTION.

The following detailed statements are prepared by the officers giving instruction in the several branches of study.

### THE DEPARTMENT OF LATIN.

The object of this department is to enable the student to acquire such a command of the language as will enable him to appreciate the Latin literature and understand the character of Roman civilization. There are frequent exercises each term in reading at sight, and students are encouraged to read Latin which is not required for recitations. Those who elect Latin in the Junior year, besides the regular class work, are examined on certain portions of authors which are assigned to them for private reading.

During the Freshman year, special attention is given to etymology, syntax and the structure of sentences. Also in connection with the reading of Latin historians, it is designed to show the contributions of Rome to the development of civilization, and the place of Rome in history. With the beginning of the Sophomore year, the aim is to direct attention to the style, the thought, and the spirit of the authors read, and to consider them in relation to their own times and to general literature. Though the grammar is made subordinate to the literature, it is not entirely neglected. The usage in words and constructions which departs from the style of the age of Cicero is carefully noted. The courses are varied from year to year to adapt them to the different classes. In place of the authors mentioned below, others may be substituted, as Lucretius, Quintilian, Institutions of Justinian, or, for those who intend to teach, some of the authors usually read in preparation for college.

The following courses are presented:

1. HISTORICAL. Livy, books XXI., XXII. Selections from books I., II. are read at sight. Latin Composition.

Special attention is given to etymology and syntax, and to the tracing of the development of the Roman State.

2. HISTORICAL. Tacitus: Agricola and selections from the Annals. The Germania is read at sight. Latin Composition. The structure of the Latin sentence is studied, and the difference between the style of Tacitus and of Cicero is carefully considered. Roman life and method of government in the time of the Empire are studied.

3. POETRY. Horace: Odes, Epodes, and Ars Poetica. Selections from the minor poets, as Catullus, Tibullus, Propertius, etc. It is intended that while

reading the Odes of Horace, to which the larger part of the term is devoted, the student learn to appreciate the poet.

In connection with the study of the *Ars Poetica*, there are lectures and class essays on Latin poetry.

4. **SATIRE.** Horace's Satires, Juvenal, and Persius. Lectures and class essays on the manners and the customs of the Romans.

5. **COMEDY.** Selected plays of Plautus and Terence. Attention is directed to early Latin, and to the development of the Latin language.

6. **EPISTOLARY STYLE.** Horace's Epistles. Cicero's Letters and Pliny's Letters.

Topics suggested by the authors read are appointed for discussion in the class.

7. **PHILOSOPHICAL WRITINGS.** Cicero's Tusculan Disputations, "De Senectute," and "De Amicitia" are read at sight. Lectures on the civilization and literature of Rome, and on the sources of her philosophy, and the dominant features of her religion.

Courses 4 and 6, and 5 and 7, are read in alternate years by an elective division of the Sophomore and Junior classes.

### THE DEPARTMENT OF GREEK.

The instruction in this department aims both at intellectual discipline and at literary culture. The translation of classic masterpieces is regarded as an efficient means of developing the power of thought and of expression, and as a valuable aid towards the acquisition of a correct and discriminating literary sense. The Greek literature is also treated as revealing the peculiar genius of an exceptionally gifted people, whose contributions to human civilization were most important. It is believed that, from both points of view, the study of Greek is well entitled to hold its place among "the Humanities." The language is not taught as in itself an end. Critical scholarship is esteemed as leading up to a just appreciation of the literature and the civilization, and as giving that insight into the real significance of ancient Greece to the world, which is in the highest sense instructive.

The Greek of the Freshman and Sophomore years is required of all students in the Classical Course, and in the Greek-Scientific Course. In the Winter and Spring Terms of the Junior year, and in the Winter Term of the Senior year, Greek is offered as an elective to students in the Classical Course, and in the Greek Scientific Course.

The work of the Freshman year begins with the later books of the *Iliad* and selections from the Lyric Poets, or with the *Odyssey* and selections from Herodotus. As students in the Greek-Scientific Course take Greek in the Fall term of Sophomore year, these works are interchanged in alternate years. Special attention is given to the characteristics of the Heroic Age, and to the place of the Homeric Poems in literature. The Lyric Poets and Herodotus are incidentally treated as representing a transitional period in the development of the language. The Winter Term of the Freshman year is given to the reading of Xenophon's *Memorabilia* or Plato's *Apology* and *Crito*. This gives opportunity to consider the character and genius of Socrates, and to study some of the distinctive features of

Greek life. In the Spring Term of the Freshman year, Demosthenes is taken up, either in Select Orations, or in the Oration on the Crown. Regard is had to the principles of oratory illustrated, and to the political institutions of the various Greek states. During the Winter and Spring Terms, there is a weekly exercise in the History of Greece, and in the Spring Term essays are prepared by the class upon different historical periods. Exercises in Greek Prose Composition accompany a part of the work in the Freshman year, on account of their value in promoting an accurate knowledge of the language.

In the Winter Term of the Sophomore year, selected tragedies of Æschylus, Sophocles and Euripides are read as prescribed work, and prelections are given from other plays, in order to secure as large acquaintance as possible with the Greek Tragedians. The class prepare essays upon topics related to the study of the Greek Drama, and upon the Greek Literature in general. In these essays, and in the discussions of the class-room, the principal Greek authors are treated. In the Spring Term of the Sophomore year, Aristophanes is read, not simply to complete the student's knowledge of the Greek Drama, but to give a glimpse of the remarkable age mirrored in his comedies. In the study of all the dramatists, the style and spirit of each author is especially considered.

During both terms one recitation a week is given to the Greek New Testament. This is treated on the linguistic side, and attention is directed to its peculiarities, as presenting a phase of the later language. It is deemed important, moreover, on account of the unique contents and relations of these original Christian documents, that every student of Greek should have direct acquaintance with them.

The elective Greek of the Junior and Senior years is offered chiefly as an introduction to Greek Philosophy. The number of hours is three a week. In the Winter Term, either Plato's *Phædo* is read, or selections from his *Republic*. These works of Plato are taken up in alternate years. In the Spring Term (of the Junior year only) Aristotle's *Ethics* is offered. An attempt is made to interpret Platonism and Aristotelianism, and to show the relation of Greek speculation to modern philosophy. In alternate years, Plutarch's "*De Sera Numinis Vindicta*" may be studied, both for its moral significance, and as a specimen of the Common Greek. Opportunity is also afforded, to any who may desire it, for some acquaintance with Modern Greek.

### THE DEPARTMENT OF ENGLISH.

Three different objects are sought in the Department of English: *First*, proficiency in composition and in public address; *second*, a general acquaintance with the most prominent authors and their periods; *third*, a scientific knowledge of the origin and development of the English language.

1. ORATORY, includes the formal study of Elocution, (Raymond's "*Orator's Manual*," ) with exercises in Declamation continued through two years; special exercises in pronunciation during the Freshman year.

2. ORATORY. Exercises in the composition and delivery of argumentative and oratorical themes throughout the Junior year. Each production read and criticised with its author by special appointment. A subsequent public appearance required.

3. ORATORY. During the Senior year, an opportunity is offered for practice in public debate. At these debates the undergraduate classes are required to be pres-



ent; the President of the University presides, and, at the close of each discussion, sums up the question upon its own merits. It is sought thus to give the members of the Senior class drill in extemporaneous discourse, and also to instruct and interest the undergraduate students in the leading issues of the day. Opportunities for practice in extemporaneous speaking are given also in class debates, during the Junior and Senior years, in connection with the work in Civil History and Political Science.

These courses in Oratory extend over the four years of the college course, and supplemented by courses 4-7, and by the several prizes connected with the Department of English, form a complete and extended course, and are designed to afford any diligent student ample preparation for public life.

4. RHETORIC. The Fall Term of the Freshman year is given to the study of "Style." Genung's *Practical Rhetoric*, part I., is completed. Richard Grant White's *Words and their Uses* is read, with classroom discussions of questions involved, together with copious exercises in the various elements of Style, and with frequent reference to Trench *On the Study of Words*, *The Queen's English*, etc.

5. RHETORIC. The Winter and Spring Terms of the Freshman year are given to the study of "Invention." In addition to the formal work in the text book, the completion of part II., of Genung's *Rhetoric*, analyses of themes, presentation and criticism of plans, exercises in the various forms of composition, etc., are required of each member of the class.

6. THE STUDY OF ENGLISH PROSE. A critical study of representative prose authors of the present century, not including writers of fiction; class essays and discussions, with recitations from Minto's *Manual of English Prose*. During the present year special attention will be given to DeQuincey, Carlyle and Macaulay.

7. THE STUDY OF ENGLISH FICTION is on the same general plan as course 6. During the present year special attention will be given to Scott, Thackeray, Dickens and George Eliot.

The courses in English Prose are designed to come in close relation to the courses in Rhetoric, and, with them, to constitute a continuous series.

8. ANGLO-SAXON. (Origin of the English tongue.) Corson's *Hand Book of Anglo-Saxon*; the *Anglo-Saxon Version of the Gospel of John* entire; selections from King Alfred's *Orosius*; Aelfric's *Homilies*, and the *Anglo-Saxon Chronicle*; recitations from Roemer's *Origins of the English Language and Literature*.

9. ANGLO-SAXON. (Origin of the English tongue.) A continuation of course 8. Comparative English grammar, on the basis of March and Sweet; selections from *Cædmon*; *Beowulf*, entire; special study of *Transition English*.

10. THE ENGLISH OF THE THIRTEENTH AND FOURTEENTH CENTURIES. The study of Layamon's *Brut*; the *Ormulum*; also Wiclif, Gower and Mandeville. Special attention is given to Chaucer, not only in the study of the language as represented in the *Canterbury Tales*, but also to the place of Chaucer in English Literature, as the first great representative of the modern period.

Courses 8, 9 and 10 are continuous, and designed to give the student such a knowledge of the origin and development of the English tongue as will enable him to carry on his studies independently of the instructor.

11. THE STUDY OF SHAKESPEARE. A critical study of the leading plays of Shakespeare on the seminary method, with special reference to the setting of plays, influence of times, growth of drama, place of Shakespeare in literature, etc.

12. THE STUDY OF WORDSWORTH. With special reference to influence upon later English poetry. Reading and analysis of selections from Matthew Arnold's *Wordsworth*, with lectures and discussions.

13. THE STUDY OF BROWNING. Corson's *Introduction*. General plan the same as that of the two preceding courses.

### THE DEPARTMENT OF MODERN LANGUAGES.

The aim of this department is to make the student familiar with the idioms, and give him facility in reading the literature. It is especially desired that he should appreciate the thought in the original, and not simply through the medium of translation. Considerable time is given each term to reading at sight.

GERMAN. The following courses are offered in German:

1. Whitney's Grammar and Reader; Wilhelmi's "Einer muss heirathen," and Benedix's "Eigensinn;" Practice in German Conversation.
2. Schiller's "Wilhelm Tell;" Exercises in German Composition.
3. Lessing's "Minna von Barnhelm;" Selections from Goethe's Prose.
4. Schiller's "Jungfrau von Orleans," and Goethe's "Egmont;" Selections and Class Essays on German Literature.
5. Goethe's "Faust;" Lectures and Class Essays.

FRENCH. The following courses are offered in French:

1. Otto's French Grammar; Fénelon's "Télémaque;" Exercises in French Composition.
2. Selected plays of Corneille, Molière or Racine; Exercises in French Composition.
3. Selection from the French Literature of the eighteenth century.
4. Modern French plays.

In connection with courses 2, 3 and 4, the literature of the various periods will be studied in Marcillac's "Manuel d'Histoire de la Littérature Française."

Courses three and four are offered in alternate years.

### THE DEPARTMENT OF MATHEMATICS.

1. Solid and Spherical Geometry, and exercises in geometrical invention, including theorems and problems. *Wentworth*. The aim is to develop the power of application of principles, as well as that of their rigid demonstration.

2. Algebra, embracing with others the following subjects: Solution of Higher Equations as quadratics; Functional Notation; Theory of Limits; Differentiation of Algebraic, Logarithmic, and Exponential Functions; Development of functions in series; Deduction and application of Maclaurin's Formula and Binomial Theorem; Convergence and Summation of series; Theory of Logarithms and Deduction

of the Logarithmic and Exponential series; Solution of Exponential Equations; Elements of the Theory of Equations, and Solution of Higher Numerical Equations; Decomposition of rational fractions; Permutations, Combinations, and Probabilities.

3. Plane, Analytic, and Spherical Trigonometry, with applications, and Plane Surveying. *Wentworth.*

NOTE. In the Spring Term of the Freshman year, besides the work in Trigonometry, students in the English Scientific Course have special instruction in Geometric Invention and Higher Algebra three hours a week.

4. Analytic Geometry, embracing the following subjects: Discussion and Construction of Equations; Production of Equations of Plane Loci; Transformation of Coördinates; Properties of the Conic Sections and some of the higher plane curves. The aim is, while considering the properties of these important curves, to make clear and familiar the analytic method of geometric investigation.

5. Calculus, including both the Differential and the Integral, with their various applications. The subjects pursued the first term are the Differentiation of functions, with applications; Direct Integration, with applications to geometry and mechanics; Successive Differentiation and Integration, with applications to mechanics; Evaluation of functions assuming indeterminate forms; Development of functions in series; Maxima and Minima; Tangents, Normals, and Asymptotes to plane curves.

The work of the second term embraces the more advanced portions of both the Differential and Integral Calculus. *Taylor.*

6. In Higher Mathematics, the student may elect any one of the following subjects: An advanced course in Analytic Geometry or the Calculus; Elements of Quaternions, (*Hardy*); Determinants.

## THE DEPARTMENT OF CHEMISTRY AND MINERALOGY.

The courses of study in this department begin in the Sophomore year, and may be continued, as required or elective studies, throughout the remainder of the collegiate course. For one term, and a portion of another, the work will be in the class room, and conducted by means of a text-book, with experimental lectures. The remainder of the work is done in the Laboratory, and consists of qualitative and quantitative analysis, elementary mineralogy, and organic analysis, with supplementary lectures on the history of the science, chemical theories, and other points of interest connected with the work.

The aim of the course is to give the student thorough training in habits of accuracy and observation, as well as instruction in the fundamental principles of scientific study. The Chemical Laboratory, built in 1884, is equipped with all the apparatus necessary for the successful study of analytical chemistry.

The following courses of study are offered:

1. General chemistry for beginners, embracing the study of the non-metallic elements. There are daily recitations from Harris' Lecture Notes on General Chemistry, with accompanying lectures and experiments.



This course, or a full equivalent, is required for entrance to the Latin-Scientific course and English Scientific course, and, during the Spring Term of the Sophomore year, of those pursuing the Classical course or the Greek-Scientific course.

2. A supplementary course in General Chemistry, introductory to the course in qualitative analysis. Richter's *Inorganic Chemistry* will be used as a text-book, beginning with the Metals. Lectures will be given on the principal theories involved, on metallurgical processes, and upon the elements of crystallography.

3. Qualitative analysis, including the determination of all simple inorganic substances. Harris' *Manual of Qualitative Analysis*, (Parts I. and II.) is used as a guide, and frequent examinations and lectures are given.

4. Qualitative analysis, continuing course 3, and including the various methods employed for separating the metals. Frequent examinations are given upon the different analytical methods. Harris' *Manual* (Part III.) is used.

5. Elementary Mineralogy, open only to those who have had a course in qualitative analysis, is studied principally in its relations to chemistry. About one-half the time is occupied with crystallography, and the remainder in the study of the physical and chemical properties of minerals, and their determination. A short course of lectures upon assaying is given in connection with this work.

6. Quantitative analysis occupies two terms. During the first, the student makes the principal simple determinations; during the second, the determination of complex compounds and minerals is made. Both gravimetric and volumetric methods are employed. Harris' *Quantitative Analysis* will be used.

7. Following the course in quantitative analysis, some of the simpler courses in Technical chemical analysis are offered. Such are the analysis of dairy products, water, urine, etc. The exhaustive study of none of these subjects is attempted, the aim being rather to give the general method of work in each. For those who may wish, the further analysis of minerals may be substituted.

8. Organic chemistry is offered as an elective to those pursuing the English-Scientific course during the Senior year. The first term is partially occupied with an introductory course of lectures upon the compounds of carbon. The student will take notes and reproduce the same. In the laboratory the ultimate analysis of organic compounds will be taken up.

For the remainder of the year the different methods of building up compounds synthetically, will be studied, and subsequently original work in the formation and investigation of compounds will be undertaken.

Post-graduate courses, consisting of those here offered or of others more advanced, may be pursued by those who wish. Arrangements may be made through the President of the University and the Professor in charge.

Each of the above laboratory courses is a full equivalent of a five hour a week elective, each student being expected to work two hours a day for five days each week.

#### THE DEPARTMENT OF NATURAL HISTORY.

The opening of the new Biological Laboratory has wrought an important change in the methods of instruction in this department. The study of living plants and animals, and of dried and alcoholic specimens, and the collecting of material for

study, is made the chief part of the course. To bring the student to the study of the actual life forms, rather than to the descriptions of them, is the aim. Lectures illustrated by the Oxy-hydrogen lantern and microscope are given when advisable. Special attention is paid to the formation of correct methods of study.

Believing that Natural History affords the most desirable of recreation—studies for professional and business men, desirable for their broadening and humanizing influences, as well as the rest and vigor resulting from interesting field-work, the courses are planned with a view to the laying of broad foundations, the acquirement of scientific methods, and familiarity with standard authors. In short, it is desired to introduce the student into the realm of life where he may discover the fields of observation suited to his tastes and opportunities.

**ZOOLOGY.** This subject is offered as an elective in the Fall Term of the Junior year. The Elements of Invertebrate Zoölogy, by W. R. Brooks, D. D., late lecturer in this department, and Colton's Practical Zoölogy are the required books, constant use being made of the reference books in the Biological Library. The characteristics of the Sub-kingdoms, Classes, and Orders are studied in type specimens. The alcoholic specimens in the Museum have been rearranged and classified so as to illustrate the subject.

**GEOLOGY.** This subject is offered to the Juniors as an elective in the Spring Term. The Lectures on Geology, by W. R. Brooks, D. D., is the text-book used. Charts, maps, a series of lantern and microscope slides, and of Ward's casts of extinct animals, and a valuable collection of fossils serve to illustrate the text. Field work, with the discussion of its results in the Laboratory, will be an important feature in the course.

**BOTANY.** This course is offered as an elective in the Spring Term of the Senior year. Gray's series of Botanies will be used. Field and laboratory work, together with the study of microscopical preparations, will occupy most of the time. The Douglass Herbarium affords a valuable series of specimens for illustration and reference.

Each course in Natural History is an equivalent of a five hour a week elective, and requires two hours a day for five days a week.

### PHYSIOLOGY.

In the Fall Term of the Junior year Physiology is offered as an elective. Martin's text book is used; and for reference, Huxley, Flint and Foster. In the Winter Term the subject is continued, with lectures, and the use of the microscope, models and charts. The work of this term is also elective.

### APPLIED MATHEMATICS AND PHYSICAL SCIENCES.

**MECHANICS.** Instruction in this subject is given during the Winter Term of the Junior year. The text-book used is Anthony and Brackett's.

**PHYSICS.** In the Spring Term of the Junior year, the subjects of Light, Heat, Electricity, etc., are taken up. There are frequent lectures, illustrated by experiments. Ganot, Deschanel, and Silliman are used for reference.

**ASTRONOMY.** This subject is an elective study of the Winter and Spring Terms of the Senior year, except to students of the English-Scientific Course, for whom it

is required. The text-book is Snell's *Ohmstead*. Works of reference are Loomis, Newcomb and Holden. In the Spring Term, in connection with the consideration of the Planets, Fixed Stars, etc., lectures are given, and illustrations by the Oxy-hydrogen light.

### THE DEPARTMENT OF ENGINEERING.

The choice of subjects pursued in this department is mainly from those necessary in all classes of engineering. The aim is to make practical application of the mathematics and physical sciences already pursued, and, as a mental discipline, to develop especially the constructive faculty.

**DESCRIPTIVE GEOMETRY.** Daily recitations, with a fair proportion of original work, are required in this subject during the Fall Term of the Junior year, in the English-Scientific Course. The subject is elective in all the other courses. Church's *Descriptive Geometry* is used as a text-book.

**MECHANICAL DRAWING AND STRENGTH OF MATERIALS.** Instruction is given to the Junior Class during the Winter Term. Required in the English-Scientific and elective in all other courses. As a text book, Anderson's *Strength of Materials* is used. In Mechanical Drawing, personal instruction is given.

**METALLURGY AND THE STEAM ENGINE.** These subjects are given in alternate years, to the Junior Class during the Spring Term, the object being to present opportunity to those students desiring to pursue both studies to take up the alternate subject during the Senior year. Required in the English and Latin-Scientific courses, and elective in all others. Text books, Holmes's *Steam Engine* and Huntington's *Bloxom on Metals*.

**APPLIED MECHANICS.** This subject is given to the Senior Class during the Fall Term, as an elective. Cotterill is used as a text book.

While pursuing the studies of Metallurgy and the Steam Engine, it is expected that the students will visit, with the instructor, suitable neighboring localities, for practical instruction on these subjects.

### THE DEPARTMENT OF HISTORY AND POLITICAL SCIENCE.

**HISTORY 1.** An introduction to Modern History, is mainly occupied with an exposition of the philosophy of history, the consideration of the original elements of modern civilization, and a review of those parts of Oriental and Classical History which bear most directly upon the progress of modern civilization.

**HISTORY 2.** The period of Transition is a study of the six centuries which intervened between the beginning of the barbaric migrations and the treaty of Verdun, noting especially the origin and progress of those great movements, by which Classical Europe passed into Feudal Europe. Special attention is given to Decline of the Roman Empire; the barbaric migrations; the customs of the Franks; the Salic Code; the Reëxtension of the Empire under Justinian; the History of Roman Jurisprudence from the Twelve Tables to Justinian, and the Service of Roman Law in the Civilization of Europe. The latter part of the course is given to the rise and extension of Mohammedanism in the East and an examination of the Constitution of the Empire of Charlemagne.

**HISTORY 3.** The Feudal Period treats of the Political and Constitutional History of Europe from the Treaty of Verdun to the election of Rudolph of Hapsburg. The aim of this course is to lead the student to the study of those centrifugal forces which effected the dissolution of the Empire of Charlemagne, and resulted in the dispersion of authority, called the Feudal System, but which yet afforded opportunity for the fusion of the diverse elements which had been thrown together in the preceding period, into the great national masses of modern Europe. Special attention is given to the influence of Imperialism during this period, and its embodiment in the Holy Roman Empire.

**HISTORY 4.** The Period of Renaissance and Reformation is a study of the great political and social movements of Europe from the rise of the national monarchy in France to the Treaty of Westphalia. The decline of the feudal system and of the Imperial idea, the growth of the national monarchy, the attempts made by the several nations of Europe at Representative Government, the attempts at religious and political reform, with the varying results attained, are studied as great continental movements, confined to no one state in particular, but marking in each state the general progress of European civilization.

**HISTORY 5.** The Modern Period is studied from the American and French Revolutions as a centre, marking the close of the reign of powers and forces in Europe, and the beginning of the reign of ideas.

An effort is made to show the significance of the great social, political and religious movements of the 18th and 19th centuries; to summarize principles and laws, and to note the peculiarity of each great national development.

Of these courses, in general, the method is that of lectures, supplemented by private reading, investigation of original sources, inspection of note books, frequent examinations, class debates, theses, reports, etc. The details of political history are usually left to be worked out by the student, while the discovery of principles, the grouping of events, the development of institutions, are treated at length in the lectures. As each period is passed over, an account of the principal sources of its history is given, and the most valuable modern works are assigned to special students for review, to be reported to the class.

**HISTORY 6.** English Historical Seminary. During the Senior year, a seminary for advanced students will be organized for the study of special questions connected with the growth of the English Constitution. Stubbs's *Select Charters* will be used as a basis of the work of the class.

**HISTORY 7.** The Constitutional and Political History of the United States. The design of course 7 is to note the growth and significance of American Institutions; the debt of America to the mistakes and failures of the old world as well as its successes; and, in general, to study the fundamental principles of the national government in their historic relations. Hence, the method is largely comparative, and the student will be called upon constantly to make use of the knowledge gained in the previous courses.

**ROMAN LAW 8.** Morey's Outlines. An elementary course, covering Roman Private Law, and designed to give the historical student some familiarity with fundamental legal notions. The history of Roman Law is taken up in connection with History Course 2, which should therefore precede the course in the institutes.



INTERNATIONAL LAW 9. Daily recitations from Woolsey's Introduction to the study of International Law, with discussions and occasional lectures.

For the present, Courses 8 and 9 will be given in alternate years to an elective division of the Junior and Senior classes.

### THE DEPARTMENT OF POLITICAL ECONOMY.

POLITICAL ECONOMY. Daily recitations from Walker's Political Economy, supplemented by lectures and discussions. The text furnishes to the student a clear statement of principles. Then, by questions, by drawing the student into discussions, by encouraging him to express his difficulties freely, the instructor endeavors to fix principles and to direct attention to their practical working in concrete cases.

CONTEMPORARY SOCIALISM. The views of the most prominent living socialists are brought before the class by means of lectures, discussions, and criticisms.

### ART.

In the Senior Year instruction is given in the History of Architecture and of Sculpture. The hand-books used by the student are largely supplemented with lectures, illustrated by a copious collection of slides and photographs. In these illustrated lectures a Calcium Light Stereopticon is employed. Special attention is given to the origin and development of Greek architecture. Its connections with earlier styles, particularly with the Assyrian and Egyptian, are noted, and the modifications and additions made by the Romans are also traced. Gothic and Renaissance architecture are likewise treated. An attempt is made to give some accurate acquaintance with the masterpieces of ancient sculpture, to show the relation between classic and mediæval art, and to bring out those principles which gave to the plastic art of the Greeks its enduring preëminence as the standard of taste.

### LOGIC.

It is the object of this department to give the student a thorough knowledge of the subject, embracing both Formal and Applied Logic. The nature, sphere, limitations, and applications of principles are defined and illustrated. To make the study a discipline, and to secure, as far as possible, practical results, the student, during the last half of the term, is subjected to a daily analysis of arguments and fallacies in a manner not only to compel a knowledge of principles and methods, but to induce correct habits of thinking.

### PSYCHOLOGY.

The study of the Human Mind is taken up in the Fall Term of the Senior Year, and is required in all the Courses. It is regarded, not only as affording one of the highest forms of intellectual discipline, but also as furnishing self-knowledge of a most important and practical kind. The subject is pursued with reference to both these ends. Mental science is investigated, both for its profound intrinsic interest, and for its bearing upon the cultivation of the intellectual powers. The physiological connections of psychical phenomena are fully considered, and the problems of psychology are presented in their relation to the great philosophic questions. The study of mind is thus made an introduction to speculative philosophy. Atten-

tion is given to the history of philosophic thought, beginning with the Greek thinkers. The class prepare essays on the principal modern philosophers, and their distinctive theories are further treated in oral lectures and discussions.

### EVIDENCES OF CHRISTIANITY.

Lectures are given on the historical character of the religion of Christ; on Christianity as a supernatural fact; as a Divine Life; as a new Revelation of Truth and Duty; as a Divine Kingdom; as a Fulfillment of Ethnic aspirations and Jewish hopes; and as a World-Power. These lectures are accompanied with an examination of the various skeptical tendencies of modern thought.

### CHRISTIAN ETHICS.

Lectures are given on Theoretical Ethics. The course embraces the History of Ethical Opinions, the relation of morals to religion, the criticism of the current theories—the evolutionary, the utilitarian, the independent, and the intuitive conceptions of morals; and the fuller exposition of the Ethics of Christianity. This last will embrace a discussion of the absolute and the relative grounds of virtue, and the new relations and higher possibilities introduced by the coming of the Divine Founder of the Christian religion.

These lectures will also treat of Practical Ethics. This course will include both spontaneous and reflective moral activities of the soul, and will embrace our duties to God—to ourselves—to the family—to society and to the church.

There are also special lectures on Liberty of Thought, its nature and its value; on the Laws of Intellectual Growth; on the Formation of Opinions; on Personal Character as a factor in Public Life, on the Choice of a Vocation in Life; and on Manners.

### THE DEPARTMENT OF BIBLICAL LITERATURE.

In this department, the Bible is the text-book employed. It is studied simply as a collection of books forming a special national literature, which was a natural product of a peculiar national life, and was intended by its authors to aid and direct in securing a national destiny in which they believed, and for which they hoped.

In the study of this literature, it is treated as follows:

1. **INDUCTIVELY.** Its various kinds are distinguished, and the characteristics of each kind, in both form and contents, are determined.
2. **COMPARATIVELY.** Its characteristics in its various kinds are compared with the characteristics of like kinds in other great literatures; the agreements and differences are noted, and the reasons for both agreement and difference are sought after.
3. **ANALYTICALLY.** A careful literary analysis of specimen books, including all kinds of the literature, is made; and the genesis of the book, the elements of the style, and the contents and arrangement of the thought, are determined.

# I. THE CLASSICAL COURSE.

Pursued by Candidates for the Degree of A. B.

*Figures in brackets indicate the number of days a week.*

## FRESHMAN CLASS.

### FALL TERM.

**Latin:** Course 1, Livy, [3].—**Greek:** Iliad, *later books*, and Lyric Poets, *selections*; or, Odyssey, and Selections from Herodotus, [5].—**Mathematics:** Course 1, Solid Geometry, [5].—**Rhetoric:** Course 4, [2].—**Oratory:** Course 1, [2].

### WINTER TERM.

**Latin:** Course 1 *completed*; Course 2, Tacitus, [3].—**Greek:** Xenophon's Memorabilia, or Plato's Apology and Crito, [4]; Greek New Testament, [1].—**Mathematics:** Course 2, Higher Algebra, [5].—**Rhetoric:** Course 5, [2].—**Oratory:** Course 1, [2].

### SPRING TERM.

**Latin:** Course 2 *completed*, [3].—**Greek:** Demosthenes, [4]; Greek New Testament, [1].—**Mathematics:** Course 3, Trigonometry and Surveying, [5].—**Rhetoric:** Course 5 *completed*, [2].—**Oratory:** Course 1, [2].

## SOPHOMORE CLASS.

### FALL TERM.

**Latin:** Course 3, Horace: Odes, Epodes, Ars Poetica; and Minor Poets, *selections*, [5].—**Mathematics:** Course 3 *completed*, Spherical Trigonometry; Course 4, Analytic Geometry, [5].—**French:** Course 1, Otto's French Grammar; Fénelon's Télémaque, [3].—**English:** Course 6, [3].—**Oratory:** Course 1, [1].

## WINTER TERM.

REQUIRED STUDIES. **Greek:** Tragedies, [5].—**French:** Course 2, Corneille, Molière, or Racine, [3].—**English:** Course 7, [3].—**Oratory:** Course 1, [1].

ELECTIVE STUDIES. **Latin:** Course 4, Satires of Horace, Juvenal, and Persius, [5].—**Mathematics:** Course 5, Calculus, [5].

## SPRING TERM.

REQUIRED STUDIES. **Chemistry:** Course 1, Non-Metallic Elements, [5].—**English:** Course 7 *completed*, [1].—**Oratory:** Course 1, [1].

ELECTIVE STUDIES. **Greek:** Aristophanes or Lucian, [5].—**Latin:** Course 5, Plautus and Terence, [5].—**Mathematics:** Course 5 *completed*, Calculus, [5].

## JUNIOR CLASS.

## FALL TERM.

REQUIRED STUDIES. **Logic:** Formal and Applied, [5].—**Oratory:** Course 2, [1].

ELECTIVE STUDIES. **Engineering:** Descriptive Geometry, [5].—**History:** Course 1, [2].—**Chemistry:** Course 2, Metallic Elements; Course 3, Qualitative Analysis, [5].—**German:** Course 1, Whitney's Grammar and Reader, [5].—**Physiology:** Martin's, [3].—**Zoölogy:** [5].—**English:** Course 8, [3].

## WINTER TERM.

REQUIRED STUDIES. **Physics:** Anthony and Brackett's Mechanics, [5].—**Oratory:** Course 2, [1].

ELECTIVE STUDIES. **Latin:** Course 6, Epistles of Horace; Letters of Cicero and Pliny, [5].—**Greek:** Plato's Phædo, or Republic, [3].—**Mathematics:** Course 6, [3].—**Engineering:** Mechanical Drawing, and Strength of Materials, [5].—**History:** Course 2, [2].—**Chemistry:** Course 4, Qualitative Analysis, [5].—**German:** Course 2, Schiller's Wilhelm Tell, [4].—**Physiology:** [3].—**English:** Course 9, [3].

## SPRING TERM.

REQUIRED STUDIES. **Physics:** Light, Heat, Electricity, etc., [5].—**Oratory:** Course 2, [1].

ELECTIVE STUDIES. **Latin:** Course 7, Cicero's Tusculan Disputations, [5].—**Greek:** Aristotle's Ethics, or Plutarch's "De Sera Numinis Vindicta," [3].—**Engineering:** Metallurgy, and Steam Engine, [5].—**History:** Course 3, [2].—**Chemistry:** Course 5, Elementary Mineralogy, [5].—**German:** Course 3, Lessing's Minna von Barnhelm; Goethe's Prose, *selections*, [4].—**French:** Course 3, Literature of the Eighteenth Century, [3].—**Geology:** [5]. **Roman Law, or International Law:** [3]. **English:** Course 10, [3].



## SENIOR CLASS.

## FALL TERM.

REQUIRED STUDIES. **Psychology**: With History of Philosophy, [5].—**Oration**: Course 3, [1].

ELECTIVE STUDIES. **History**: Course 4, [3]; Course 6, Seminary of English History, [2].—**Chemistry**: Course 6, Quantitative Analysis, [5].—**Engineering**: Applied Mechanics, [5].—**English**: Course 11, [3].—**Art**: Lectures on Architecture and Sculpture, [1].—**Biblical Literature**: [1].—Elective Studies of the Junior year.\*

## WINTER TERM.

REQUIRED STUDIES. **Political Economy**: [3]. **Evidences of Christianity**: [2].—**Oration**: Course 3, [1].

ELECTIVE STUDIES. **Greek**: Plato's Republic, or Phædo, [3].—**Astronomy**: [5].—**History**: Course 5, [3]; Course 7, American History, [2].—**Chemistry**: Course 6, *completed*, [5].—**German**: Course 4, Schiller's Jungfrau von Orleans; Goethe's Egmont, [4].—**English**: Course 12, [3].—**Art**: Lectures on Architecture and Sculpture, [1].—**Biblical Literature**: [1]. Elective Studies of the Junior year.\*

## SPRING TERM.

REQUIRED STUDIES. **Political Economy**: [3].—**Christian Ethics**: [2].—**Oration**: Course 3, [1].

ELECTIVE STUDIES. **Astronomy**: [4].—**Political Economy**: Tariff and Government, [1].—**Chemistry**: Course 7, Special Analysis, [5].—**History**: Course 5, *completed*, [2].—**International Law, or Roman Law**, [3].—**German**: Course 5, Goethe's Faust, [4].—**French**: Course 4, Modern Plays, [3].—**Botany**, [5].—**English**: Course 13, [3].—**Art**: Lectures on Architecture and Sculpture, [1].—**Biblical Literature**, [1].—Elective Studies of the Junior year.\*

\*The Elective Studies of the Junior year may be taken when the hours of recitation do not conflict.

# THE SCIENTIFIC COURSES.

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Pursued by Candidates for the Degree of B. S.

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## II. THE GREEK-SCIENTIFIC COURSE.

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### FRESHMAN CLASS.

#### FALL TERM.

**Mathematics**, [5].—**Greek**, [5].—**Physiology**, [3].—**Rhetoric**, [2].—**Oratory**, [2].

#### WINTER TERM.

**Mathematics**, [5].—**Greek**, [5].—**Physiology**, [3].—**Rhetoric**, [2].—**Oratory**, [2].

#### SPRING TERM.

**Mathematics**, [5].—**Greek**, [5].—**Geometric Invention and Higher Algebra**, [3].—**Rhetoric**, [2].—**Oratory**, [2].

### SOPHOMORE CLASS.

#### FALL TERM.

**Mathematics**, [5].—**Greek**, [5].—**French**, [3].—**English**, [3].—**Oratory**, [1].

#### WINTER TERM.

**Mathematics**, [5].—**Greek**, [5].—**French**, [3].—**English**, [3].—**Oratory**, [1].

#### SPRING TERM.

**Greek**, [5].—**Chemistry**, [5].—**Botany**, [5].—**English**, [1].—**Oratory**, [1].

## JUNIOR CLASS.

## FALL TERM.

REQUIRED STUDIES. **Logic**, [5].—**Chemistry**, [5].—**Oratory**, [1].

ELECTIVE STUDIES. **Engineering**, [5].—**German**, [5].—**History**, [2].—**Zoölogy**, [5].—**English**, [3].

## WINTER TERM.

REQUIRED STUDIES. **Physics**, [5].—**Chemistry**, or **Engineering**, [5].—**Oratory**, [1].

ELECTIVE STUDIES. **Greek**, [3].—**Mathematics**, [3].—**German**, [4].—**History**, [2].—**English**, [3].

## SPRING TERM.

REQUIRED STUDIES. **Physics**, [5].—**Geology**, [5].—**Oratory**, [1].

ELECTIVE STUDIES. **Greek**, [3].—**Chemistry**, [5].—**German**, [4].—**History**, [2].—**Engineering**, [5].—**French**, [3].—**Roman Law**, [3].—**English**, [3].

## SENIOR CLASS.

## FALL TERM.

REQUIRED STUDIES. **Psychology**, [5].—**Oratory**, [1].

ELECTIVE STUDIES. **Chemistry**, [5].—**History**, [5].—**Engineering**, [5].—**English**, [3].—**Art**, [1].—**Biblical Literature**, [1].—Elective Studies of the Junior year.\*

## WINTER TERM.

REQUIRED STUDIES. **Political Economy**, [3].—**Evidences of Christianity**, [2].—**Oratory**, [1].

ELECTIVE STUDIES. **Greek**, [3].—**Chemistry**, [5].—**Astronomy**, [5].—**History**, [5].—**German**, [4].—**English**, [3].—**Art**, [1].—**Biblical Literature**, [1]. Elective Studies of the Junior year.\*

## SPRING TERM.

REQUIRED STUDIES. **Political Economy**, [3].—**Christian Ethics**, [2].—**Oratory**, [1].

ELECTIVE STUDIES. **Astronomy**, [4].—**Political Economy**, [1].—**Chemistry**, [5].—**History**, [2].—**International Law**, or **Roman Law**, [3].—**German**, [4].—**French**, [3].—**English**, [3].—**Art**, [1].—**Biblical Literature**, [1]. Elective Studies of the Junior year.\*

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\*The Elective Studies of the Junior Year may be taken when the hours of recitation do not conflict.

### III. THE LATIN SCIENTIFIC COURSE.

#### FRESHMAN CLASS.

##### FALL TERM.

**Mathematics,** [5].—**Latin,** [3].—**German,** [5].—**Rhetoric,** [2].—**Oratory,** [2].

##### WINTER TERM.

**Mathematics,** [5].—**Latin,** [3].—**German,** [4].—**Rhetoric,** [2].—**Oratory,** [2].

##### SPRING TERM.

**Mathematics,** [5].—**Latin,** [3].—**German,** [4].—**Rhetoric,** [2].—**Oratory,** [2].

#### SOPHOMORE CLASS.

##### FALL TERM.

**Mathematics,** [5].—**Latin,** [5].—**French,** [3].—**English,** [3].—**Oratory,** [1].

##### WINTER TERM.

**Mathematics,** [5].—**Latin,** [5].—**French,** [3].—**English,** [3].—**Oratory,** [1].

##### SPRING TERM.

**Mathematics,** [5].—**Latin,** [5].—**Botany,** [5].—**English,** [1].—**Oratory,** [1].

#### JUNIOR CLASS.

##### FALL TERM.

REQUIRED STUDIES. **Chemistry,** [5].—**Oratory,** [1].

ELECTIVE STUDIES. **Logic,** [5].—**Engineering,** [5].—**Zoölogy,** [5].—**History,** [2].—**Physiology,** [3].—**English,** [3].

## WINTER TERM.

REQUIRED STUDIES. **Physics**, [5]—**Chemistry, or Engineering**, [5].—**Oratory**, [1].

ELECTIVE STUDIES. **Latin**, [5].—**Mathematics**, [3].—**History**, [2].—**Physiology**, [3].—**English**, [3].

## SPRING TERM.

REQUIRED STUDIES. **Physics**, [5].—**Engineering**, [5].—**Oratory**, [1].

ELECTIVE STUDIES. **Chemistry**, [5].—**Latin**, [5].—**Geology**, [5].—**History**, [2].—**French**, [3].—**Roman Law, or International Law**, [3].—**English**, [3].

## SENIOR CLASS.

## FALL TERM.

REQUIRED STUDIES. **Psychology**, [5].—**Oratory**, [1].

ELECTIVE STUDIES. **Chemistry**, [5].—**History**, [5].—**Engineering**, [5].—**English**, [3].—**Art**, [1].—**Biblical Literature**, [1].—Elective Studies of the Junior year.\*

## WINTER TERM.

REQUIRED STUDIES. **Political Economy**, [3].—**Evidences of Christianity**, [2].—**Oratory**, [1].

ELECTIVE STUDIES. **Astronomy**, [5].—**History**, [5].—**Chemistry**, [5].—**German**, [4].—**English**, [3].—**Art**, [1].—**Biblical Literature**, [1].—Elective Studies of the Junior year.\*

## SPRING TERM.

REQUIRED STUDIES. **Political Economy**, [3].—**Christian Ethics**, [2].—**Oratory**, [1].

ELECTIVE STUDIES. **Astronomy**, [4].—**Political Economy**, [1].—**Chemistry**, [5].—**German**, [4].—**History**, [2].—**International Law, or Roman Law**, [3].—**French**, [3].—**English**, [3].—**Art**, [1].—**Biblical Literature**, [1].—Elective Studies of the Junior year.\*

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\* The Elective Studies of the Junior year may be taken when the hours of recitation do not conflict.

## IV. THE ENGLISH SCIENTIFIC COURSE

### FRESHMAN CLASS.

#### FALL TERM.

**Mathematics**, [5].—**German**, [5].—**Physiology**, [3].—**Rhetoric**, [2].—**Oratory**, [2].

#### WINTER TERM.

**Mathematics**, [5].—**German**, [4].—**Physiology**, [3].—**Rhetoric**, [2].—**Oratory**, [2].

#### SPRING TERM.

**Mathematics**, [5].—**German**, [4].—**Geometric Invention and Higher Algebra**, [3].—**Rhetoric**, [2].—**Oratory**, [2].

### SOPHOMORE CLASS.

#### FALL TERM.

**Mathematics**, [5].—**Chemistry**, [5].—**French**, [3].—**English**, [3].—**Oratory**, [1].

#### WINTER TERM.

**Mathematics**, [5].—**Chemistry**, [5].—**French**, [3].—**English**, [3].—**Oratory**, [1].

#### SPRING TERM.

**Mathematics**, [5].—**Chemistry**, [5].—**Botany**, [5].—**English**, [1].—**Oratory**, [1].

### JUNIOR CLASS.

#### FALL TERM.

REQUIRED STUDIES. **Engineering**, [5].—**History**, [2].—**Oratory**, [1].

ELECTIVE STUDIES. **Chemistry**, [5].—**Logic**, [5].—**Zoölogy**, [5].—**English**, [3].



## WINTER TERM.

REQUIRED STUDIES. **Physics**, [5].—**Engineering**, [5].—**History**, [2].—**Oratory**, [1].

ELECTIVE STUDIES. **Mathematics**, [3].—**Chemistry**, [5].—**English**, [3].

## SPRING TERM.

REQUIRED STUDIES. **Physics**, [5].—**Engineering**, [5].—**Oratory**, [1].

ELECTIVE STUDIES. **Chemistry**, [5].—**History**, [2].—**French**, [3].—**Geology**, [5].—**Roman Law, or International Law**, [3].—**English**, [3].

## SENIOR CLASS.

## FALL TERM.

REQUIRED STUDIES. **Psychology**, [5].—**Oratory**, [1].

ELECTIVE STUDIES. **History**, [5].—**Chemistry**, [5].—**Engineering**, [5].—**English**, [3].—**Art**, [1].—**Biblical Literature**, [1]. Elective studies of the Junior year.\*

## WINTER TERM.

REQUIRED STUDIES. **Political Economy**, [3].—**Evidences of Christianity**, [2].—**Astronomy**, [5].—**Oratory**, [1].

ELECTIVE STUDIES. **History**, [5].—**Chemistry**, [5].—**German**, [4].—**English**, [3].—**Art**, [1].—**Biblical Literature**, [1]. Elective studies of the Junior year.\*

## SPRING TERM.

REQUIRED STUDIES. **Political Economy**, [3].—**Christian Ethics**, [2].—**Astronomy**, [4].—**Oratory**, [1].

ELECTIVE STUDIES. **Political Economy**, [1].—**Chemistry**, [5].—**History**, [2].—**International Law, or Roman Law**, [3].—**French**, [3].—**German**, [4].—**English**, [3].—**Art**, [1].—**Biblical Literature**, [1].—Elective studies of the Junior year.\*

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\*The Elective Studies of the Junior Year may be taken when the hours of recitation do not conflict.

## GENERAL INFORMATION.

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### **University Buildings.**

The "Hall of Alumni and Friends" contains an Alumni Hall, with a seating capacity of 1,200, in which are held the Commencements of the University. It also contains a Chapel, College Y. M. C. A. Room, Library, and ten Lecture Rooms. Two other College buildings are mainly occupied by students' rooms. These are in good condition and entirely commodious. Besides students' rooms, they contain a number of public rooms. East College contains four bath rooms, furnished with all modern appliances. West College contains two large lecture rooms, the Museum of Natural History, an Historical Seminary Room, and a Biological Laboratory. There are, also, on the premises, a President's House, and a Chemical Laboratory.

### **The Chemical Laboratory.**

The new Chemical Laboratory, valued at \$25,000, is a fine structure of Hamilton stone, trimmed with brick. On the first floor are two large recitation rooms, one devoted to the department of Physics and Astronomy, the other to that of Chemistry. On the second floor is the Laboratory work-room, which affords students the opportunity for an extended course of study in Analytical Chemistry, both Qualitative and Quantitative. Each student is assigned a desk supplied with all the necessary re-agents for his work. The building is also supplied with gas and water, and affords unexcelled advantages for a complete and systematic course of study.

### **The Biological Laboratory.**

The equipment of the new Biological Laboratory is the gift of the Class of 1889, which has raised the sum of \$500.00 for this Class Memorial. The apparatus provided by this fund is such as is necessary in the study of Zoölogy, Geology, and Botany. It consists of a number of dissecting and compound microscopes, dissecting apparatus, section and injecting instruments, aquaria, a Lithological Lathe and various pieces of accessory apparatus. It is selected with special reference to the needs of students.

A small library of standard works on Natural History is placed in the Laboratory for reference.



### **Apparatus.**

The Department of Physics is furnished with very complete apparatus for the purposes of instruction. New articles of apparatus are added as they are needed.

### **Natural History.**

The collection of metals and minerals is quite extensive, and nearly all the species can be illustrated by good specimens. All the important types in Palæontology are well illustrated by the collection of fossils. The cabinet has been lately increased by the purchase of a series of fossils, comprising about 2,000 species, which are accurately named and catalogued, for the convenience of the students. This additional collection is valued at \$2,000. The Cabinet also contains a large number of Professor Ward's casts of extinct vertebrata. The collection of shells is large, and especially full of tropical species; nearly all the types of the invertebrates are illustrated by alcoholic specimens. The collection of birds was secured for the University by Professor Bickmore, of New York. It includes birds of North America, Europe, and the East Indies, and is valued at \$13,000. The collection of corals affords material for the study of this interesting order. There is also an Herbarium of thirty-three volumes, illustrating the flora of the northern United States.

### **The University Library.**

The Library contains 18,500 volumes, and is rapidly increasing by the expenditure of the annual income of the Library Fund of \$25,000. It is generally regarded as one of the best College Libraries of its size. The books have been carefully selected, and consist of the most valuable works in the Classical and Modern Languages, in History, Natural Science, Travels, English and Foreign Literature, Philosophy, and Theology.

Students have direct access to the shelves, and the Library is open for three hours daily. By proper classification and in other ways, pains is taken to make the contents of the Library fully available for the literary work of the student.

A large number of the best American and Foreign Periodicals are regularly taken and bound, and there are many sets of standard monthlies and quarterlies, all of which are made useful by a thorough system of indexing.

### **Religious Societies.**

THE SOCIETY FOR INQUIRY sustains a Monthly Concert of Prayer for Missions, at which reports are presented on some subject relating to missionary work.

Through members and correspondents there has been gathered a well-selected Missionary Library of 800 volumes, and a Museum with a variety of curiosities from Greece, Hindustan, Burmah, Siam, China, Mexico, and other missionary fields, illustrative of the customs, manners, arts, and dress of those countries.

### **Consultation with the President.**

In order to promote the relations which ought to exist between Instructor and Student, the President has set apart Tuesday and Friday afternoons of each week,

from half-past two o'clock until five o'clock, at which time he will meet such as may wish to consult him.

### **The Trevor Educational Fund.**

This Fund of \$40,000 has established Forty Scholarships—Twenty Free Tuition Scholarships of \$30 a year each, and Twenty full Scholarships at \$90 a year each—for the benefit of those who have served in the Army or Navy of the United States. “*Soldiers* or their *Orphan Sons*; or *Sons* not orphans; or their *Brothers*; or those *dependent on Soldiers* for support—and in this order of preference—shall have the benefit of these Scholarships. These Scholarships are open also to students in Colgate Academy, under the general University rules.”

Written application may be made to the Treasurer, or to any member of the Faculty, giving name, age, residence, purpose in study, means of support, and the military service performed.

### **The Education Society.**

Candidates for the Ministry, of suitable character and talents, may receive the patronage of the Education Society. The amount furnished varies somewhat, according to the nature of the Scholarship, the needs of the student, and his position in the course of study.

## SCHOLARSHIPS.

Besides the aid afforded by the Education Society, the following University Scholarships exist :

The **Trevor Scholarships**, twenty of \$90 each, and twenty of \$30 each, established by JOHN B. TREVOR, of New York.

The **Gano Scholarship**, of \$90, established by Mrs. ELIZA ROGERS, of Providence, R. I.

The **Eleanor F. Dodge Scholarship**, of \$60, established by Mrs. E. DODGE, of Hamilton, New York.

The **Edwards Scholarship**, of \$72, established by HERVEY EDWARDS, of Fayetteville, N. Y.

The **Van Antwerp Scholarship**, of \$60, established by WILLIAM VAN ANTWERP, of Albany, N. Y.

The **Palmer Scholarship**, of \$60, established by NELSON PALMER, of Athens, N. Y., class of 1849.

The **Coolidge Scholarship**, of \$54, established by WILLIAM COOLIDGE, of Madison, N. Y.

The **Phillips Scholarship**, of \$30, established by THOMAS PHILLIPS, of New York.

The **Crissey Scholarship**, of \$30, established by BENJAMIN CRISSEY, of New York.

The **Jefferson Tillinghast Scholarship**, of \$30, established by JEFFERSON TILLINGHAST, of Newport, N. Y.

The **Peddle Scholarship**, of \$30, established by THOMAS B. PEDDIE, of Newark, N. J.

The **Ingalls Scholarships**, two of \$30 each, established by Mr. and Mrs. DAVID W. INGALLS, of Hamilton, N. Y.

The **Benjamin F. Tillinghast Scholarship**, of \$50, maintained by BENJAMIN F. TILLINGHAST, of Cortland, N. Y.

The **Cynthia Burchard Andrews Scholarship**, of \$60, established by the late Mrs. CYNTHIA BURCHARD ANDREWS, of Hamilton, N. Y.

The **President's Scholarships**, ten of \$85 each, designed for young men of character and capacity not preparing for the Christian Ministry.

Other scholarships, yielding free tuition, are mentioned on another page, under the head of "Competitive Examinations."

There is urgent need of further provision in aid of promising students. It is hoped that those interested in higher education for worthy and capable young men will be inclined to establish many other general scholarships, applicable at the discretion of the University.

# PRIZES.

## **The Dodge Entrance Prizes.**

Four prizes have been established for students entering the Freshman Class of the Classical Course, to be awarded as follows:

To the Three Students *from Colgate Academy*, whose standing during the Academic Course shall be the highest, will be awarded a First Prize of \$30.00, a Second Prize of \$24.00, and a Third Prize of \$18.00.

A fourth Dodge Prize, of \$18.00, may be competed for by students entering from other preparatory schools, and also by such members of the Senior Academic Class as have entered the Class during the year. This examination must be passed before the Saturday of the opening week. The officers hearing the Freshman Class are the Committee of examination and award.

## **The Baldwin Greek Prizes.**

These Prizes have been established for the Sophomore Class by Hon. D. P. Baldwin, LL. D., Class of 1856, Logansport, Ind. The examination, from printed papers, is exclusively in writing, and is upon some author, or work of an author, read by the class in the Spring Term of the Sophomore year. It embraces both grammar and subject matter, with exercises in prose composition. There is a First Prize of \$18.00, and a Second Prize of \$12.00. No student can compete unless his standing in all departments averages at least 4. The award is made by some distinguished scholar not connected with the University. For the present year, the subject is the *Oedipus Tyrannus* of Sophocles. The examination will occur June 1, 1889.

## **The Osborn Mathematical Prizes.**

These Prizes are provided for the Sophomore Class by ten of the Alumni and Friends of the University. The examination, which is exclusively in writing, is on the subjects of Analytic Geometry and the Calculus. The Prizes, three in number, a First Prize of \$25.00, a Second Prize of \$20.00, a Third Prize of \$15.00, are awarded by some competent scholar not connected with the University. No student is allowed to compete for these prizes, whose standing in this, or whose average standing in the other departments, falls below 4. For the present year the examination will occur June 8, 1889.

## **The Lawrence Chemical Prizes.**

*Maintained by Mr. G. O. C. Lawrence, of Buenos Ayres, S. A.*

Two Prizes of \$25.00 and \$15.00 respectively, are awarded, on Commencement Day, for excellence in Analytical Chemistry. The examination, which is exclu-

sively in writing, is upon the subjects of General Chemistry, Qualitative Analysis, and Elementary Mineralogy as given in courses 1-5. Any student in this department, who is a candidate for a degree, may compete for these prizes, provided his work in all other departments is satisfactory, and his average standing in this department is not below 4. The next examination will occur June 5, 1889.

### **The Bushnell Historical Prizes.**

*Established by Wm. M. Bushnell, Esq., of St. Paul, Minnesota.*

Two Prizes, of \$50.00 and \$25.00 respectively, are awarded on Commencement Day to two members of the Senior Class, for excellence in the presentation of some historical topic,—such presentation to be by a thesis, not exceeding three thousand words, and subject to the Regulations for Prize Composition, with the following exceptions and additions:

1. Any member of the Senior Class, candidate for a degree, whose average standing is at least *medium*, who has maintained a standing of 4 in the Department of History, and who has completed History Courses 1-6, may compete.

2. The successful competitors will read their theses before the class. The theses will become the property of the Department of History, and will be reserved for publication.

### **The Sophomore Latin Prizes.**

The examination is in writing on some author, or work of an author, read during the third term of the Sophomore year. It includes, however, more than is required of the class, and embraces translation, grammar, and subject-matter. There is a First Prize of \$25.00, and a Second Prize of \$15.00. No student is allowed to compete unless his average standing in all departments is at least 4. The award is made by some prominent scholar not connected with the University. The examination this year will be on Selected Plays of Plautus and Terence, and will occur June 7, 1889.

### **The Lasher Prize Essays.**

*Established by the Rev. George W. Lasher, D. D., Class of 1857.*

Two Prizes of \$17.00 and \$13.00 respectively, are awarded on Commencement Day to two members of the Junior Class, for excellence in English Composition.

### **The Allen Prize Essays.**

*Established by the Rev. George K. Allen, of the Class of 1870.*

Two Prizes of \$17.00 and \$13.00 respectively, are awarded on Commencement Day to two members of the Sophomore Class, for excellence in English Composition.

### **The Kingsford Prize Declamation.**

*Established by Thomson Kingsford, Esq., of Oswego, N. Y.*

Premiums of valuable books, for the first and second prizes, are given on Commencement Day to the six successful competitors, out of the twelve speakers chosen



from the Freshman, Sophomore, and Junior Classes. Each class furnishes four representatives.

### **The Montgomery Senior Prize Exhibition.**

This exhibition, established by Mr. W. H. Montgomery, of Rochester, N. Y., is held on the fifth Friday evening of the first term.

The annual interest of \$1,000 is awarded in three prizes, as follows. The First Prize of \$25.00; the Second Prize of \$20.00; the Third Prize of \$15.00.

### **The Clarke Prize in Oratory.**

*Established by Sidney Clarke, Esq., of Park River, Dakota.*

The contest for this prize occurs at the close of the Winter Term, and the prize of \$50.00, for excellence in oratory, is awarded on Commencement Day. The regulations for competition are as follows:

1. Any member of the Senior Class, candidate for a degree, who has maintained standing up to the term of competition, may present an oration.
2. The oration presented must contain not more than fifteen hundred words, and, in general, is subject to the Regulations for Prize Composition.
3. From the whole number of orations presented, six shall be selected for public delivery by the authors.
4. The prize shall be awarded on the ground of excellence both in composition and in delivery.

### **The Class of 1884 Prize Debate.**

The Class of 1884 have proposed the establishment of a fund whose annual interest will maintain a public prize debate, to be held during Commencement week. The competitors will be chosen from the Graduating Class, and they will be selected from those who have made the highest averages in debate throughout their Senior year. The prizes are \$40.00 and \$20.00.

### **The Lewis Commencement Prize.**

*Established in Memory of George W. M. Lewis, of Utica, N. Y., by the late Professor John James Lewis, LL. D.*

On Commencement Day of each year, the sum of \$60.00 will be awarded to that member of the Graduating Class who excels in the composition and delivery of an original oration.

*Regulations of the Competition for the George W. M. Lewis Commencement Prize.*

1. Every candidate for the degree of A. B. may be a competitor for the award.
2. Six and one-half minutes will be the limit of time for the delivery of every oration.
3. The Committee of Award will consist of five persons not residents of Hamilton.



4. The sum of \$60.00 will be awarded, without division, to one orator, before the close of the Commencement exercises.

### **Themes for the Bushnell Historical Prizes.**

1. Suger's Louis VI.
2. The Feudal System as found in the Magna Charta.
3. The Fulfillment of the Predictions of DeTocqueville.
4. The Teutonic Element in Modern History.

### **Themes for English Prize Composition.**

#### *For the Lasher Prize Essays.*

1. Tolstoi as a Novelist.
2. Comparative Value of Literature and Science as a Means of Culture.
3. Edison as an Inventor.

#### *For the Allen Prize Essays.*

1. The Genius of Thomas DeQuincey.
2. The Services of Henry Ward Beecher to the Nation.
3. The Political Character of Andrew Jackson.

### **Regulations for Prize Composition.**

1. Any member of the Junior Class, whose average standing is not below *medium*, may compete, under the General Regulations of the Faculty, for one of the Lasher Prizes.

The successful competitors will read their essays before the Faculty and Students, in chapel, on the Friday morning preceding Commencement.

2. Any student of the Sophomore Class, in actual attendance during the second term, has the privilege, subject to the General Regulations of the Faculty, of competing for one of the prizes assigned to the Class of which he is a member.

3. Each Prize Essay must contain not more than fifteen hundred words, and must be so written that the MS. will show broad margins, and be suitable for binding; it must be signed with a fictitious name, and this fictitious name must be subscribed on a sealed note containing the writer's real name.

4. Before the day appointed for receiving the Prize Essays, April 10th, at noon, every competitor must register his name with the Professor of English.

5. The Essays which receive awards will remain in the possession of the Librarian, and will not be returned to the writer.

### **General Regulations.**

1. Only those students who are candidates for the degree of A. B. or B. S. can compete for prizes.

2. No student is allowed to compete for any prize, unless he has passed all examinations prior to the term in which such competition takes place. Students admitted to any class with conditions must pass examination on the subjects in which they are conditioned, before competing for any prize.

3. Failure to attain to an average standing of three in every department of study, during the term of competition, is also a bar to competing for any prize.

4. No credits in class standing are given for prize work.

### Examinations.

There are examinations, oral or written, of all the classes, at the close of each term, on the studies of the term. These examinations are conducted publicly, by a committee appointed by the Faculty, and are made a test of the students' standing and scholarship.

### University Regulations.

The following are some of the more important, to which attention is directed:

Each officer grades the scholarship of his students at each day's performance on the following Scale of Merit: *Maximum Grade*, 5; *Superior*, 4; *Medium*, 3; *Inferior*, 2; *Minimum*, 1. At the close of each term, the average standing is recorded.

Students failing to present satisfactory orations for Commencement at the appointed time, are subject to a deduction of *five-tenths* from their marking in the Elocution of the Senior year.

Except by special vote of the Faculty, no student is advanced from any class to the next higher, unless he have an average standing of 3 in every department of study.

No student shall be considered to have passed the term-examination, in any study, whose term standing shall not have reached at least 3; such term standing to be made up to the mark for the term's work, and the mark for examination, combined in the proportion of 4 to 1.

Delinquents in term-examinations who fail to present themselves, and to pass examination at the first special examination succeeding, are deprived of the privilege of recitation, unless a postponement of examinations to a definite time is granted by special action of the Faculty.

Students shall not be excused from any recitations on the ground of duties connected with another department, or with Literary Societies.

If a student shall marry during his course of study, he thereby dissolves his connection with the University. The question of his re-admission is subject to the discretion of the Faculty, but in no case shall he be allowed to reënter his class.

### Expenses.

Tuition is \$30.00 a year. Incidentals, \$15.00 a year. Room rent is \$10.50 or \$15.00 a year according to location of room. If a student rooms alone, the rent is \$21.00 or \$30.00 a year.

Students for the ministry are allowed one-half a \$21.00 room free, or its value, \$10.50 a year, while occupying any room in the College dormitories, either alone or with others.

The expenses are payable *each term in advance*. No deduction is made on account of absence, unless the student enters a lower class.

An additional expense is incurred by those students who elect analytical work in the Chemical Laboratory. This sum, which is intended to cover the expense of chemicals, gas, and the use of heavy apparatus, is payable during the first half term of the course taken, and is as follows :

For course 5, \$5.00. For courses 3, 4, or 7, \$10.00. For course 6, extending through two terms, \$20.00. For course 8, extending through one year, \$25.00. In addition, each student is furnished with all necessary glass-ware at the cost price, and is charged with that which he breaks.

The charges for work in the Biological Laboratory will be light, depending on the material used.

Board is obtained in clubs, at an average cost of \$2.25 a week. In private families, it varies from \$2.50 to \$3.50. The cost of board and room in private houses is from \$3.50 to \$4.50.

Students in East College and West College furnish their own rooms. The care of rooms is in part committed to the janitor, Mr. L. Gilmartin.

# COMMENCEMENT EXERCISES.

THURSDAY, JUNE 21, 1888.

## INVOCATION.

SALUTATORY ORATION IN LATIN, - - IRVING ALONZO DOUGLASS.

## MUSIC.

### CANDIDATES FOR THE DEGREE OF B. P.

ORATION—The Power of an Ideal, - - HENRY STEPHEN BROWNSON.

ORATION—Liberalism in Politics, - - SHERMAN H. MARCY.

## MUSIC.

### CANDIDATES FOR THE DEGREE OF A. B.

ORATION—Michael Angelo, - - FRANK CLAUSON BARRETT.

ORATION—The Mission of the Future, - - HIRAM LINCOLN BENTON.

ORATION—Emperor William, - - WILLIAM SOLYMAN COONS.

ORATION—The Mission of Sympathy, - - OSCAR KING DAVIS.

## MUSIC.

ORATION—Some Characteristics of Robert Browning, IRVING ALONZO DOUGLASS.

ORATION—Gladstone, - - CLAYTON GRINNELL.

ORATION—Matthew Arnold, - - GEORGE BENEDICT LAWSON.

HISTORICAL ORATION—Sir Thomas More and Henry VIII, HERBERT J. SMITH.

## MUSIC.

ORATION—Individuality, - - J. FRANK LEMON.

ORATION—The Transition of To-Day, - - CHARLES CLARK PIERCE.

ORATION—Culture and Barbarism, - - FRANK BURCHARD PIERCE.

PHILOSOPHICAL ORATION—Faith and Life, - FRANK BEECHER MOORE.

## MUSIC.

ORATION—Roscoe Conkling, - - EDWARD BYRNE SHALLOW.

ORATION—Longings: Interpretative and Creative, ERNEST GIBSON TREAT.

CLASSICAL ORATION—The Power of Weakness, GEORGE WILLIAM DOUGLASS.

## MUSIC.

VALEDICTORY ORATION AND ADDRESSES—The Price of Progress—

FENTON CRAIG ROWELL.

## CONFERRING OF AWARDS AND DEGREES.

## BENEDICTION.

## DEGREES.

CONFERRED JUNE 21, 1888.

*B. P.*

ROBERT DOUGLASS BRIGGS,	-	-	-	-	-	Worth, Mich.
HENRY STEPHEN BROWNSON,	-	-	-	-	-	Elizabethtown.
SHERMAN H. MARCY,	-	-	-	-	-	Russia.

*A. B.*

FRANK CLAUSON BARRETT,	-	-	-	-	-	East Randolph.
HIRAM LINCOLN BENTON,	-	-	-	-	-	Earlville.
WILLIAM SOLYMAN COONS,	-	-	-	-	-	Ballston.
OSCAR KING DAVIS,	-	-	-	-	-	Wahoo, Neb.
GEORGE WILLIAM DOUGLASS.	-	-	-	-	-	Berlin.
IRVING ALONZO DOUGLASS,	-	-	-	-	-	Berlin.
CLAYTON GRINNELL,	-	-	-	-	-	Broadalbin.
GEORGE BENEDICT LAWSON,	-	-	-	-	-	Boston, Mass.
JAMES FRANK LEMON,	-	-	-	-	-	Gardner, Mass.
FRANK BEECHER MOORE,	-	-	-	-	-	Russia.
CHARLES CLARK PIERCE,	-	-	-	-	-	Walton.
FRANK BURCHARD PIERCE,	-	-	-	-	-	Hamilton.
FENTON CRAIG ROWELL,	-	-	-	-	-	Middle Grove.
EDWARD BYRNE SHALLOW,	-	-	-	-	-	Randallsville.
HERBERT J. SMITH,	-	-	-	-	-	Oswego.
ERNEST GIBSON TREAT,	-	-	-	-	-	Weedsport.

*A. M.*

LINWOLD BUSHNELL CURTIS,	-	-	-	-	-	Winthrop, Conn.
CHARLES HENRY DOUGLASS,	-	-	-	-	-	Suffield, Conn.
WILLIAM GEORGE FENNELL,	-	-	-	-	-	Middletown, Conn.
DEWITT DANIEL FORWARD,	-	-	-	-	-	Burlington, Iowa.
CHARLES JOSIAH GALPIN,	-	-	-	-	-	Kalamazoo, Mich.
FRANK ARTHUR HEATH,	-	-	-	-	-	West Acton, Mass.
FRANK DEE PENNEY,	-	-	-	-	-	Auburn.
ARTEMUS WARD REYNOLDS,	-	-	-	-	-	Elmira.
WILLIAM EUGENE WEBSTER,	-	-	-	-	-	Mt. Vision.





# HONORS.

## IN THE CLASS OF 1888.

Valedictory Oration, . . . . .	FENTON CRAIG ROWELL
Salutatory Oration, . . . . .	IRVING ALONZO DOUGLASS.
Classical Oration, . . . . .	GEORGE WILLIAM DOUGLASS.
Philosophical Oration, . . . . .	FRANK BEECHER MOORE.
Historical Oration, . . . . .	HERBERT J. SMITH.

### PHI BETA KAPPA.

The honor men of the Class, and Charles Clark Pierce, were received as members of the Phi Beta Kappa Society.

### The Lewis Commencement Prize in Oratory

Was awarded to . . . . . IRVING ALONZO DOUGLASS.

### The Overhiser Commencement Prize in Oratory

Was awarded to . . . . . FRANK BURCHARD PIERCE.

Committee of Award.	{	The Rev. D. G. COREY, D. D., . . . . .	Utica, N. Y.
	{	The Hon. JOSEPH MASON, . . . . .	Hamilton, N. Y.
	{	The Rev. J. C. FOSTER, D. D., . . . . .	Boston, Mass.
	{	LEWIS E. GURLEY, Esq., . . . . .	Troy, N. Y.
	{	The Rev. W. E. WITTER, . . . . .	Assam.

### The Bushnell Historical Prizes.

1. *The Influence of the Original Charters upon the Development of the American Colonies,* . . . CHARLES CLARK PIERCE.
2. *The Roman Element in Modern History,* . . . FRANK BEECHER MOORE.

Committee of Award, Prof. E. B. HULBERT, D. D., Morgan Park, Ill.

### The Baldwin Greek Prizes.

PETER BUELL GUERNSEY, . . . . . *First.*

GEORGE HENRY MEYER, . . . . . *Second.*

Committee of Award, Prof. ALVAH HOVEY, D. D., Newton Centre, Mass.

### The Lawrence Chemical Prizes.

GEORGE KERR SMITH, . . . . . *First.*

ORTHELLO SIDNEY LANGWORTHY, . . . . . *Second.*

Committee of Award, Prof. LEVERETT MEARS, Williams College.

### The Osborn Mathematical Prizes.

WALTER SCOTT LATTIMER, . . . . . *First.*

CHARLES EDWIN SPENCER, . . . . . *Second.*

Committee of Award, JAMES McMAHON, A. B., Cornell University.

### The Sophomore Latin Prizes.

ULYSSES GRANT WEATHERLY, . . . . . *First.*

WILLIAM FORD, . . . . . *Second.*

Committee of Award, Prof. WILLIAM C. POLAND, Brown University.

### The Lasher Prizes in English Composition.

1. *The Genius of Robert Browning*, . . . . . WILLIAM ARTHUR STANTON.

2. (One-half.) *Realism in Modern Fiction*, . . . . . PETER BUELL GUERNSEY.

2. (One-half.) *The Genius of Robert Browning*, . . . . . FRED SMITH RETAN.

Committee of Award, Prof. A. H. STRONG, D.D., Rochester Theological Seminary

### The Allen Prizes in English Composition.

1. *Thackeray as a Novelist*, . . . . . ULYSSES GRANT WEATHERLY.

2. *Thackeray as a Novelist*, . . . . . DAVID ADAMS MACMURRAY.

Committee of Award, Prof. J. F. GENUNG, Ph. D., Amherst College.

### The Tenth Kingsford Prize Declamation.

#### CLASS OF 1889.

FRED SMITH RETAN, . . . . . *First.*

ORTHELLO SIDNEY LANGWORTHY, . . . . . *Second.*

#### CLASS OF 1890.

GEORGE FRANK JOHNSON, . . . . . *First.*

ELMER ELIAS KNAPP, . . . . . *Second.*

## CLASS OF 1891.

GOVE GRIFFITH JOHNSON, . . . . . *First.*ELMER WILLIAM SMITH, . . . . . *Second.*

Committee of Award.	{	The Rev. R. A. PATERSON, . . . . .	New Rochelle, N. Y.
		WILLIAM H. MONTGOMERY, Esq., . . . . .	Rochester, N. Y.
		SAMUEL T. HILLMAN, Esq., . . . . .	New York City.
		The Rev. B. A. WOODS, . . . . .	Philadelphia, Pa.
		The Rev. W. G. PARTRIDGE, . . . . .	Norwich, N. Y.

**The Fourteenth Montgomery Prize Declamation.**FRED SMITH RETAN, . . . . . *First.*ISAAC NEWTON MERRIFIELD, . . . . . *Second.*ALFRED WESLEY WISHART, . . . . . *Third.*

Committee of Award.	{	The Rev. JOSEPH CROSS, D.D., . . . . .	Hamilton.
		The Rev. R. A. PATERSON, . . . . .	New Rochelle.
		Prof. S. BURNHAM, D.D., . . . . .	Hamilton.
		Prof. W. C. EATON, PH. D., . . . . .	Hamilton.
		Prof. A. H. COLE, . . . . .	Hamilton.

**The Class of 1884 Prize Debate.**THE RESOLUTION. *Resolved*, That Ireland should have Home Rule.

Affirmative, G. W. Douglass, E. B. Shallow, C. C. Pierce.

Negative, O. K. Davis, I. A. Douglass, F. B. Pierce.

FRANK BURCHARD PIERCE, . . . . . *First.*IRVING ALONZO DOUGLASS, . . . . . *Second.*

Committee of Award.	{	The Rev. N. E. WOOD, D. D., . . . . .	Brooklyn, N. Y.
		ISAAC F. GATES, Esq., . . . . .	Orange, N. J.
		FRANK B. SPEAR, Esq., . . . . .	Marquette, Mich.
		The Rev. H. O. HISCOX, . . . . .	Troy, N. Y.
		The Rev. J. O. PERKINS, . . . . .	Chittenango, N. Y.

**The Dodge Prizes.—Entrance Examination.**

*Of those entering from Colgate Academy.*

CHARLES HENRY ADAMS WAGER,	.	.	.	.	.	.	<i>First.</i>
HENRY STERLING POTTER,	.	.	.	.	.	.	<i>Second.</i>
ELMER TILSON STEVENS,	.	.	.	.	.	.	<i>Third.</i>

*Of those entering from other Preparatory Schools.*

PIERREPONT BURT NOYES,	.	.	.	.	.	Community, N. Y.
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*Prepared by Prof. F. M. Loomis, Principal of Community Academy.*

## THE ALUMNI ASSOCIATION.

The members of this Association consist of Graduates from any one of the Courses of Study in Madison University or Hamilton Theological Seminary, and of such persons as have received Honorary Degrees from the University. These, after application, are elected at the Annual Meeting. It also includes Associate Members, duly elected at the Annual Meeting.

### OFFICERS FOR 1888-9.

#### PRESIDENT,

REV. W. T. HENRY, D. D., ('74,) . . . . . Elmira, N. Y.

#### VICE PRESIDENTS.

PROF. A. G. MILLER, ('74,) . . . . . Herkimer, N. Y.

PROF. F. R. MOORE, ('75,) . . . . . Brooklyn, N. Y.

T. J. MIDDLEDITCH, ESQ., ('76,) . . . . . New York.

T. P. KINGSFORD, ESQ., . . . . . Oswego, N. Y.

#### TREASURER,

PROF. J. M. TAYLOR, ('67,) . . . . . Hamilton, N. Y.

#### SECRETARY,

CHARLES W. UNDERHILL, ESQ., ('62,) . . . . . Hamilton, N. Y.

#### ORATOR AT COMMENCEMENT, 1889,

PROF. W. I. KNAPP, PH. D., ('60.) . . . . . New Haven, Conn.

#### ALTERNATE,

PROF. G. A. WILLIAMS, ('80,) . . . . . Havana, N. Y.

#### NECROLOGIST,

REV. HENRY H. PEABODY, D. D., ('65,) . . . . . Rome, N. Y.

*NOTE.*

The corporate name Madison University covers three Institutions located at Hamilton, N. Y., viz., the College proper, distinctively known as Madison University, the Hamilton Theological Seminary, and Colgate Academy. This is a catalogue of the College only.

For catalogue of Hamilton Theological Seminary, address Rev. H. S. Loyd, D.D., Secretary.

For Catalogue of Colgate Academy, address Prof. E. P. Sisson, A. M., Acting Principal.









UNIVERSITY OF ILLINOIS-URBANA



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